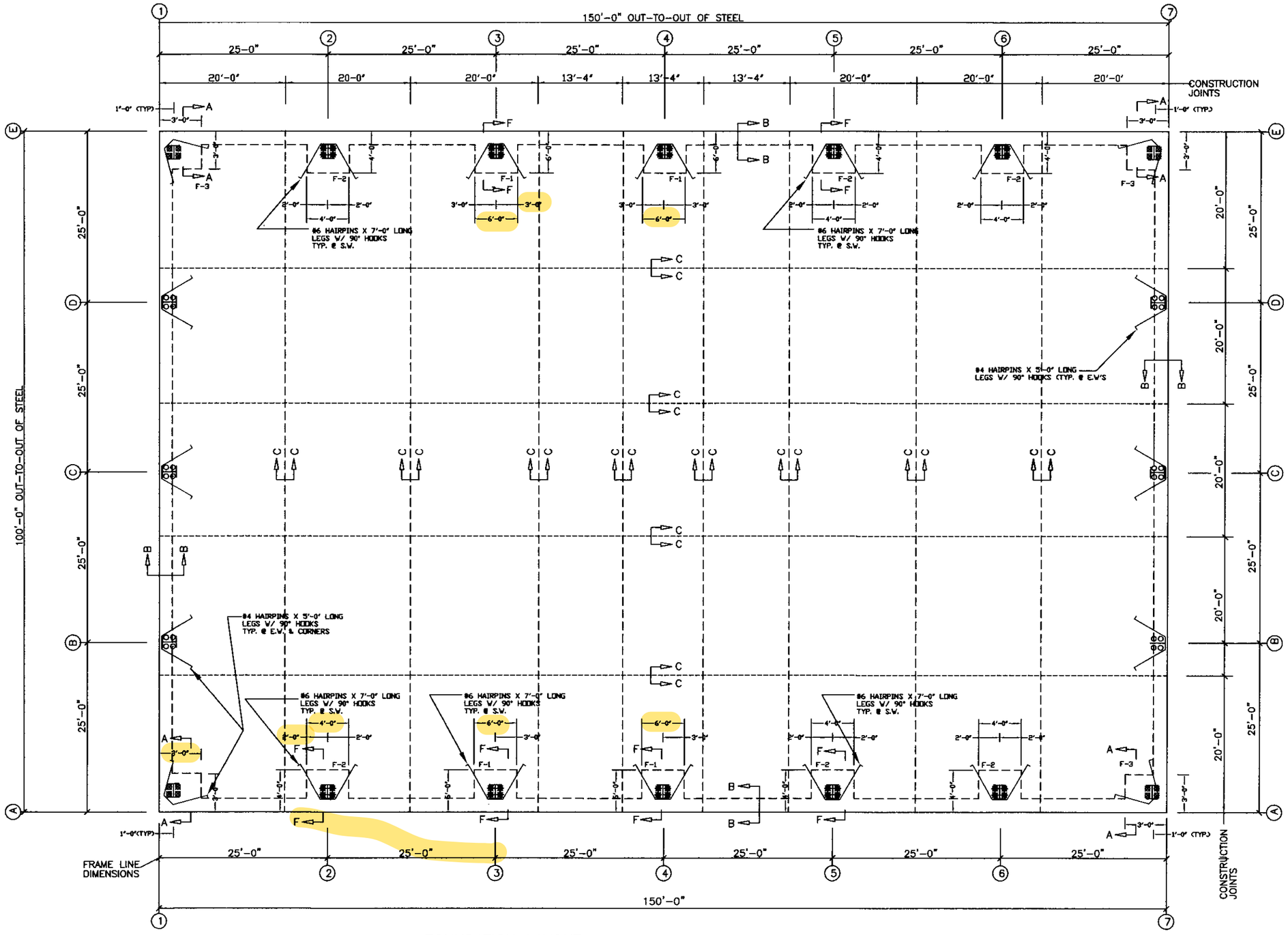
ANCHOR BOLT SUMMARY

QNT	LOC	DIA. (IN)	PROJ (IN)	TOTAL LENGTH (IN)	BEND (IN)
24	EW	3/4	2.50	14.0	3.00
40	RF	3/4	2.50	24.0	3.00
16	RF	3/4	2.50	16.0	3.00



FOUNDATION LAYOUT PLAN

Columbia County Building Department
Plans Reviewed for Code Compliance
State of Florida

Charles W Embden

Digitally signed by Charles W Embden
Date: 2024.03.07 14:47:26 -05'00'

SEAL
CHARLES EMBDEN
LICENSE
No 53083
STATE OF FLORIDA
PROFESSIONAL ENGINEER

February 7, 2024

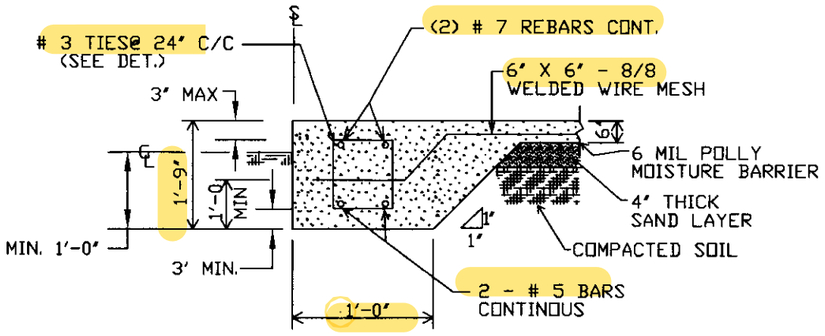
REVISIONS						
REV.	DESCRIPTION:	DATE	DTLR	DATE	CHKR	APPD

DRAWING STATUS
[X] FOR CONSTRUCTION
[ ] FOR PERMIT ONLY
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

BUILDINGS AND MORE	
PROJECT	100.0' X 150.0' X 28.0'
ID	8459
PROJECT ADDRESS	LAKE CITY, FL 32025

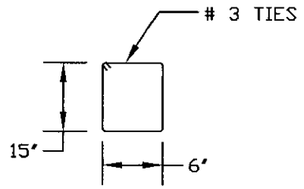
TOWN HOMES, LLC.		
FOUNDATION LAYOUT PLAN		
DESIGN: CWE	DRAFT: CWE	CHECK: CWE
DATE: 3/7/24	SHEET	FNDWG-1

CHARLES EMBDEN P.E.
26 HARRIS DRIVE
UXBRIDGE, MA 01569
FLORIDA PE # 53083
PHONE # (508) 826-8772



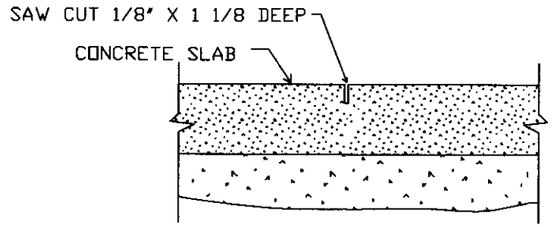
SECT. B-B

NOT TO SCALE



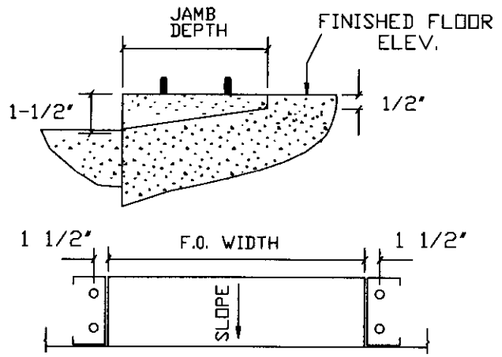
TIE DETAIL

NOT TO SCALE

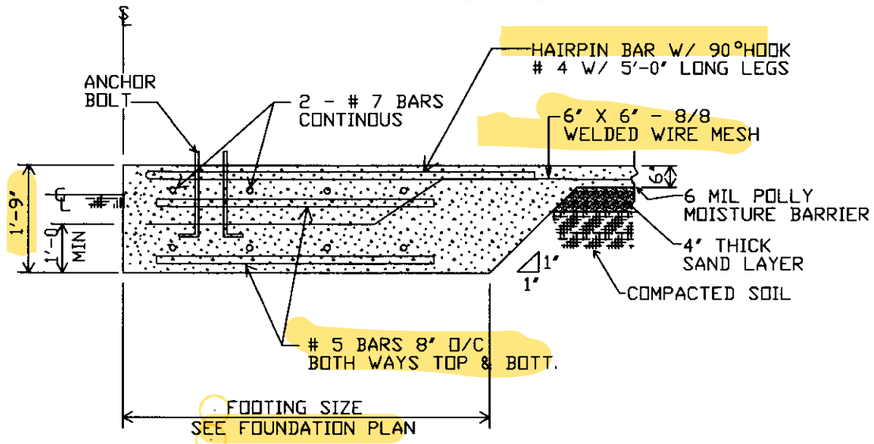


SECT. C-C (Const. Joint)

NOT TO SCALE

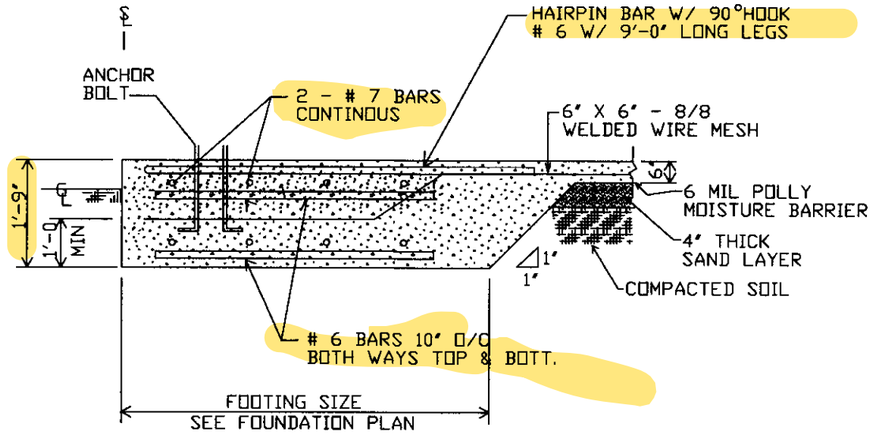


TYP. O.H. DOOR RECESS DETAIL



SECT. A-A

NOT TO SCALE



SECT. F-F

NOT TO SCALE

GENERAL FOUNDATION NOTES

1. ALL REINFORCING STEEL SHALL BE GRADE 60 DEFORMED BARS.
2. ALL POURED IN PLACE SHALL BE F'c 3000 PSI MIN @ 28 DAYS.
3. WELDED WIRE MESH SHALL MEET ASTM A-185.
4. FOUNDATION AND FOOTING SIZING BASED ON ASSUMED SOIL BEARING CAPACITYOF 2500 PSF.
5. THE UPPER 12" OF BEARING SOIL IN FOOTING SHALL BE COMPACTED TO 95% OF THE STANDARD PROCTOR.
6. MIN. REINFORCING STEEL COVER AT EARTH : 3"
7. SLUMP RANGE AT POINT OF DISCHARGE: 3"-6"
8. OVERLAP ALL WWF A MINIMUM OF 8".
9. LAP ALL REINFORCING STEEL A MINIMUM OF 48 DIAMETERS.
10. REMOVE TOPSOIL & ORGANIC MATERIAL FROM TOP 12" OF EXISTING GRADE.
11. FDN. IS DESIGNED TO MEET THE 2020 ED. OF THE FBC CODE. (IBC 2018) W.S. IS 119 MPH. EXP. B
12. BOTTOM OF FTG. SHOULD BE A MIN. OF 12" BELOW GRADE
13. PROOF ROLL 5' OUTSIDE OF BUILDING FOOTPRINT WITH VIBRATORY COMPACTOR.
14. FILL TO WITHIN 4" OF FINISHED FLOOR ELEVATION WITH CLEAN SAND FILL.
15. COMPACT TOP 6" OF FILL MATERIAL TO 95% OF MODIFIED PROCTOR DENSITY. (MIN)
16. SAW INDICATED CRACK CONTROL JOINTS WITHIN 8 HOURS OF PLACEMENT OF CONCRETE.
17. SOIL IN FOOTING TRENCHES SHALL BE FREE OF ORGANIC MATERIAL OR CLAY: IF EITHER IS ENCOUNTERED IN FOOTING TRENCHES, REMOVE IT & REPLACE WITH COMPACTED SAND.
18. CONTRACTOR TO REVIEW FOUNDATION DRAWINGS AND CHECK FOR COMPLIANCE WITH ERECTION DRAWINGS BEFORE COMENCMENT OF CONSTRUCTION. ANY DISCREPANCY SHOULD BE BROUGHT TO ENGINEER'S ATTENTION.
19. TERMITE PROTECTION SHALL BE PROVIDED BY REGISTERED TERMICIDES OR OTHER APPROVED METHODS OF TERMITE PROTECTION LABELED FOR USE AS A PREVENTITIVE TREATMENT TO NEW CONSTRUCTION.

Charles W Embden

Digitally signed by Charles W Embden
Date: 2024.03.07 14:48:07 -05'00'

CHARLES EMBDEN
26 HARRIS CIRCLE
UXBRIDGE, MA 01569
PHONE # (508) 826-8772
FLORIDA PE # 53083

SEAL

CHARLES EMBDEN LICENSE No 53083 STATE OF FLORIDA PROFESSIONAL ENGINEER

February 7, 2024

REVISIONS						
REV.	DESCRIPTION	DATE	DTLR	DATE	CHKR	APPD

DRAWING STATUS
[X] FOR CONSTRUCTION
[ ] FOR PERMIT ONLY
[ ] FOR APPROVAL
[ ] OTHER, EXPLAIN

BUILDINGS AND MORE		TOWN HOMES, LLC	
PROJECT	100.0' X 150.0' X 28.0'	FOUNDATION DETAIL PAGE	
ID	8459	DESIGN: CE / DRAFT: CE	CHECK CE:
PROJECT ADDRESS	LAKE CITY, FL 32025	DATE: 2/7/24	SHEET FNDWG-2

BUILDING PROFILE

Width (ft)	= 100	Eave Height (ft)	= 28
Length (ft)	= 150	Roof Slope (Rise/12)	= 2.0:12

BUILDING LOADS

A) THIS IS TO CERTIFY THAT THIS STRUCTURE IS DESIGNED UTILIZING THE LOADS INDICATED AND APPLIED AS REQUIRED BY FBC 23 / 8TH EDITION

B) THIS CERTIFICATION IS LIMITED TO THE STRUCTURAL DESIGN OF THE FRAMING AND COVERING PARTS MANUFACTURED BY THE BUILDING MANUFACTURER AND AS SPECIFIED IN THE CONTRACT. ACCESSORY ITEMS SUCH AS DOORS, WINDOWS, LOUVERS, TRANSLUCENT PANELS, VENTILATORS ARE NOT INCLUDED. ALSO EXCLUDED ARE OTHER PARTS OF THE PROJECT NOT PROVIDED BY THE BUILDING MANUFACTURER SUCH AS FOUNDATIONS, MASONRY WALLS, MECHANICAL EQUIPMENT AND THE ERECTION AND INSPECTION OF THE BUILDING. THE BUILDING SHOULD BE ERECTED ON A PROPERLY DESIGNED FOUNDATION IN ACCORDANCE WITH THE BUILDING MANUFACTURER'S DESIGN MANUAL, THE ATTACHED DRAWINGS, AND GOOD ERECTION PRACTICES. THE END USER AND/OR ENGINEER OF RECORD IS TO CONFIRM THAT THESE LOADS COMPLY WITH REQUIREMENTS OF THE LOCAL BUILDING DEPT.

OCCUPANCY/RISK CATEGORY: II – Normal — Ie: 1.00

WIND LOAD — ULTIMATE: 119 MPH — NOMINAL: 92.18 MPH — WIND EXPOSURE: B

CLOSURE TYPE: Enclosed

INTERNAL WIND COEFFICIENT: −0.18 / 0.18

COLLATERAL DEAD LOAD: 1 PSF

ROOF LIVE LOAD: 20.00 PSF (REDUCIBLE Yes)

DEAD LOAD: 2.000 PSF (FOR ROOF PANELS AND PURLINS)

SEISMIC

SPECTRAL RESPONSE — Ss: 0.0853 — S1: 0.0502 — Sds: 0.0907 — Sd1: 0.0800

SITE CLASS: d — DESIGN RISK CATEGORY: B — Cs: 0.0302

RESPONSE MODIFICATION FACTOR, R: 3.000* FRAMES — 3.000* BRACING

BASIC SEISMIC FORCE RESISTING SYSTEM (LATERAL DIRECTIONS) = ORDINARY STEEL MOMENT FRAMES

BASIC SEISMIC FORCE RESISTING SYSTEM (ENDWALLS) = ORDINARY STEEL MOMENT FRAMES

BASIC SEISMIC FORCE RESISTING SYSTEM (LONGITUDINAL DIRECTIONS) = ORDINARY STEEL MOMENT FRAMES

ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE PROCEDURE

* STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE.

SERVICEABILITY CRITERIA

MINIMUM DESIGN DEFLECTIONS

Endwall Column	=	180	Roof Panel (Live)	=	60
Endwall Rafter (Live)	=	180	Roof Panel (Wind)	=	60
Endwall Rafter (Wind)	=	180	Rigid Frame (Horz)	=	60
Wall Girt	=	90	Rigid Frame (Vert)	=	180
Roof Purlin (Live)	=	180	Rigid Frame (Seismic)	=	50
Roof Purlin (Wind)	=	150			
Wall Panel	=	60			

GENERAL NOTES

A) THE STRUCTURE UNDER THIS CONTRACT HAS BEEN DESIGNED AND DETAILED FOR THE LOADS AND CONDITIONS STIPULATED IN THE CONTRACT AND SHOWN ON THESE DRAWINGS. ANY ALTERATIONS TO THE STRUCTURAL SYSTEM OR REMOVAL OF ANY COMPONENT PARTS, OR THE ADDITION OF OTHER CONSTRUCTION MATERIALS OR LOADS MUST BE DONE UNDER THE ADVICE AND DIRECTION OF A REGISTERED ARCHITECT, CIVIL OR STRUCTURAL ENGINEER. THE BUILDING MANUFACTURER WILL ASSUME NO RESPONSIBILITY FOR ANY LOADS NOT INDICATED.

B) THIS METAL BUILDING IS DESIGNED WITH THE BUILDING MANUFACTURER'S STANDARD PRACTICES WHICH ARE BASED ON PERTINENT PROCEDURES AND RECOMMENDATIONS OF THE FOLLOWING ORGANIZATIONS AND CODES.

1. AMERICAN INSTITUTE OF STEEL CONSTRUCTION: " AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS– ALLOWABLE STRESS DESIGN" AS ADOPTED BY THE BUILDING CODE REFERENCED IN "BUILDING LOADS" SECTION "A" ABOVE.
2. AMERICAN IRON AND STEEL INSTITUTE: "SPECIFICATION FOR THE DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS" AS ADOPTED BY THE BUILDING CODE REFERENCED IN "BUILDING LOADS" SECTION "A" ABOVE.
3. AMERICAN WELDING SOCIETY: "STRUCTURAL WELDING CODE" AWS D1.1. AS ADOPTED BY THE BUIDLING CODE REFERENCED IN "BUILDING LOADS" SECTION "A" ABOVE.
4. METAL BUILDING MANUFACTURER'S ASSOCIATION: "LOW RISE BUILDING SYSTEMS MANUAL" AS ADOPTED BY THE BUILDING CODE REFERENCED IN "BUILDING LOADS" SECTION "A" ABOVE.

C) 1) MATERIAL PROPERTIES OF STEEL PLATE USED IN THE FABRICATION OF PRIMARY RIGID FRAMES, AND OTHER PRIMARY STRUCTURAL EXCLUSIVE OF COLD–FORMED SECTIONS, CONFORM TO ASTM–A529 OR A572 . FLANGES AND WEB MATERIAL CONFORMS TO ASTM–A529 OR A572 GRADE 55 WITH A MINIMUM YIELD POINT OF 55,000 psi.

2) MATERIAL PROPERTIES OF HSS ROUND SECTIONS CONFORM TO ASTM–A500, GRADE B OR C WITH A MINIMUM YIELD POINT OF 42,000 psi.

3) MATERIAL PROPERTIES OF HSS RECT. OR SQUARE SECTIONS CONFORM TO ASTM–A500, GRADE B OR C WITH A MINIMUM YIELD POINT OF 46,000 psi.

4) MATERIAL PROPERTIES OF HOT ROLLED CHANNEL AND ANGLE MEMBERS CONFORM TO THE REQUIREMENTS OF ASTM–A992 WITHMINIMUM YIELD POINT OF 50,000 PSI. HOT ROLLED W–SHAPED MEMBERS CONFORM TO THE REQUIREMENTS OF ASTM–A992WITH MINIMUM YIELD POINT OF 50,000 PSI.

5) MATERIAL PROPERTIES OF COLD FORMED LIGHT GAGE STEEL MEMBERS CONFORM TO EITHER ASTM A653–06 GR 55 OR A1011–04 HSLAS GRADE 55 WITH YIELD OF 55,000 psi.

6) MATERIAL PROPERTIES OF ROOF/WALL SHEETING, BASE METAL CONFORM TO ASTM–A792 GRADES 80 CLASS 1, 2 OR 3 WITH A MINIMUM YIELD STRENGTH OF 80,000 PSI. COATING OF BASE MATERIAL IS 55% ALUMINUM–ZINC ALLOY IN ACCORDANCE WITH AZ55 SPECIFICATIONS.

7) CABLE UTILIZED FOR BRACING CONFORMS TO ASTM A475. CABLE BRACING IS TO BE INSTALLED TO A TAUT CONDITION.

8) ROD UTILIZED FOR BRACING MEMBERS CONFORM TO ASTM–A36 WITH MINIMUM YIELD POINT OF 36,000 PSI.

9) IT IS THE RESPONSIBILITY OF ERECTOR TO ENSURE PROPER BOLT TIGHTNESS IN ACCORDANCE WITH APPLICABLE "RCSC SPECIFICATION FOR STRUCTURAL JOINTS USING A–325 OR A–490 BOLTS". ALL A–325 BOLTS IN PRIMARY FRAMING MUST BE "SNUG–TIGHT", EXCEPT AS FOLLOWS: "FULLY–PRETENSION" A–325 BOLTS IF:
   a) BUILDING LOCATED IN A HIGH SEISMIC AREA. FOR IBC–BASED CODE, "HIGH SEISMIC AREA" IS DEFINED AS "SEISMIC DESIGN CATEGORY" OF "D", "E" OR "F".
   b) BUILDING SUPPORTS A CRANE SYSTEM WITH A CAPACITY GREATER THAN 5.00 TONS.
   c) BUILDING SUPPORTS MACHINERY THAT CREATES VIBRATION, IMPACT OR STRESS – REVERSALS ON THE CONNECTIONS.
   d) ANY CONNECTION DESIGNATED IN THESE DRAWINGS AS "A–325 – SC".

10) SECONDARY MEMBERS AND FLANGE BRACE CONNECTIONS SHALL ALWAYS BE SNUG TIGHT, UNO.

11) ANCHOR BOLTS 3/4" IN DIAMETER THRU 1 1/4" IN DIAMETER CONFORM TO A.S.T.M. F1554 GR. 36. ANCHOR BOLTS 1/2" IN DIAMETER CONFORM TO A.S.T.M. A–307.

D) UNLESS NOTED OTHERWISE ON FRAMING COLOR CHART: ALL STEEL MEMBERS EXCEPT BOLTS, FASTENERS, CABLE AND RODS SHALL RECEIVE ONE COAT OF STANDARD RED OXIDE SHOP PRIMER.

E) SHOP AND FIELD INSPECTIONS AND ASSOCIATED FEES ARE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS STIPULATED OTHERWISE IN THE CONTRACT.

APPROVAL NOTES

THE FOLLOWING CONDITIONS APPLY IN THE EVENT THAT THESE DRAWINGS ARE USED AS APPROVAL DRAWINGS:

A) IT IS IMPERATIVE THAT ANY CHANGES TO THESE DRAWINGS:
   1) BE MADE IN CONTRASTING INK.
   2) HAVE ALL INSTANCES OF CHANGE CLEARLY INDICATED.
   3) BE LEGIBLE AND UNAMBIGUOUS.

B) DATED SIGNATURE IS REQUIRED ON ALL PAGES.

C) MANUFACTURER RESERVES THE RIGHT TO RESUBMIT DRAWINGS WITH EXTENSIVE OR COMPLEX CHANGES REQUIRED TO AVOID MISFABRICATION. THIS MAY IMPACT THE DELIVERY SCHEDULE.

D) APPROVAL OF THESE DRAWINGS INDICATES CONCLUSIVELY THAT THE MANUFACTURER HAS CORRECTLY INTERPRETED THE CONTRACT REQUIREMENTS, AND FURTHER CONSTITUTES AGREEMENT THAT THE BUILDING AS DRAWN, OR AS DRAWN WITH INDICATED CHANGES REPRESENTS THE TOTAL OF THE MATERIALS TO BE SUPPLIED BY MANUFACTURER.

E) ANY CHANGES NOTED ON THE DRAWINGS NOT IN CONFORMANCE WITH THE TERMS AND REQUIREMENTS OF THE CONTRACT BETWEEN MANUFACTURER AND ITS CUSTOMER ARE NOT BINDING ON MANUFACTURER UNLESS SUBSEQUENTLY SPECIFICALLY ACKNOWLEDGED AND AGREED TO IN WRITING BY CHANGE ORDER OR SEPARATE DOCUMENTATION. MANUFACTURER RECOGNIZES THAT RUBBER STAMPS ARE ROUTINELY USED FOR INDICATING APPROVAL, DISAPPROVAL, REJECTION, OR MERE REVIEW OF THE DRAWINGS SUBMITTED. HOWEVER, MANUFACTURER DOES NOT ACCEPT CHANGES OR ADDITIONS TO CONTRACTUAL TERMS AND CONDITIONS THAT MAY APPEAR WITH USE OF A STAMP OR SIMILAR INDICATION OF APPROVAL, DISAPPROVAL, ETC. SUCH LANGUAGE APPLIED TO MANUFACTURER'S DRAWINGS BY THE CUSTOMER, ARCHITECT, ENGINEER, OR ANY OTHER PARTY WILL BE CONSIDERED AS UNACCEPTABLE ALTERATIONS TO THESE DRAWING NOTES, AND WILL NOT ALTER THE CONTRACTUAL RIGHTS AND OBLIGATIONS EXISTING BETWEEN MANUFACTURER AND ITS CUSTOMER.

SAFETY COMMITMENT

A) THE BUILDING MANUFACTURER HAS A COMMITMENT TO MANUFACTURE QUALITY BUILDING COMPONENTS THAT CAN BE SAFELY ERECTED. HOWEVER, THE SAFETY COMMITMENT AND JOB SITE PRACTICES OF THE ERECTOR ARE BEYOND THE CONTROL OF THE BUILDING MANUFACTURER.

B) IT IS STRONGLY RECOMMENDED THAT SAFE WORKING CONDITIONS AND ACCIDENT PREVENTION PRACTICES BE THE TOP PRIORITY OF ANY JOB SITE.

C) LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS SHOULD ALWAYS BE FOLLOWED TO HELP INSURE WORKER SAFETY.

D) MAKE CERTAIN ALL EMPLOYEES KNOW THE SAFEST AND MOST PRODUCTIVE WAY OF ERECTING A BUILDING. EMERGENCY PROCEDURES SHOULD BE KNOWN TO ALL EMPLOYEES.

E) DAILY MEETINGS HIGHLIGHTING SAFETY PROCEDURES ARE ALSO RECOMMENDED. THE USE OF HARD HATS, RUBBER SOLE SHOES FOR ROOF WORK, PROPER EQUIPMENT FOR HANDLING MATERIAL, AND SAFETY NETS WHERE APPLICABLE, ARE RECOMMENDED.

ERECTOR / CONTRACTOR RESPONSIBILITIES

A) IT IS THE RESPONSIBILITY OF THE ERECTOR/CONTRACTOR TO INSURE THAT ALL PROJECT PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE REQUIREMENTS OF ANY GOVERNING BUILDING AUTHORITIES. THE SUPPLYING OF SEALED ENGINEERING DATA AND DRAWINGS FOR THE METAL BUILDING SYSTEM DOES NOT IMPLY OR CONSTITUTE AN AGREEMENT THAT THE BUILDING MANUFACTURER OR ITS DESIGN ENGINEER IS ACTING AS THE ENGINEER OF RECORD OR DESIGN PROFESSIONAL FOR A CONSTRUCTION PROJECT.

B) THE CONTRACTOR MUST SECURE ALL REQUIRED APPROVALS AND PERMITS FROM THE APPROPRIATE AGENCY AS REQUIRED.

C) APPROVAL OF THE MANUFACTURER'S DRAWINGS AND CALCULATIONS INDICATE THAT THE BUILDING MANUFACTURER CORRECTLY INTERPRETED AND APPLIED THE REQUIREMENTS OF THE CONTRACT DRAWINGS AND SPECIFICATIONS. (SECT. 4.4.1 AISC CODE OF STANDARD PRACTICES, LATEST ED.)

D) WHERE DISCREPANCIES EXIST BETWEEN THE MANUFACTURER'S STRUCTURAL STEEL PLANS AND THE PLANS FOR OTHER TRADES, THE STRUCTURAL STEEL PLANS SHALL GOVERN. (SECT. 3.3 AISC CODE OF STANDARD PRACTICE LATEST ED.)

E) DESIGN CONSIDERATIONS OF ANY MATERIALS IN THE STRUCTURE WHICH ARE NOT FURNISHED BY THE BUILDING MANUFACTURER ARE THE RESPONSIBILITY OF THE CONTRACTORS AND ENGINEERS OTHER THAN THE BUILDING MANUFACTURER'S ENGINEERS UNLESS SPECIFICALLY INDICATED.

F) THE ERECTOR/CONTRACTOR IS RESPONSIBLE FOR ALL ERECTION OF STEEL AND ASSOCIATED WORK IN COMPLIANCE WITH THE BUILDING MANUFACTURER'S "FOR CONSTRUCTION" DRAWINGS.

G) PRODUCTS SHIPPED TO ERECTOR/CONTRACTOR OR HIS CUSTOMER SHALL BE INSPECTED BY ERECTOR/CONTRACTOR IMMEDIATELY UPON ARRIVAL. CLAIMS FOR SHORTAGES OR DEFECTIVE MATERIAL IF NOT PACKAGED MUST BE SENT TO THE MANUFACTURER IN WRITING WITHIN FIVE (5) DAYS AFTER RECEIPT OF THE SHIPMENT. HOWEVER, IF A DEFECT IS OF SUCH A NATURE THAT REASONABLE VISUAL INSPECTION WOULD FAIL TO DISCLOSE IT, THEN THE CLAIM MUST BE MADE WITHIN FIVE (5) DAYS AFTER THE ERECTOR/CONTRACTOR LEARNS OF THE DEFECT. THE MANUFACTURER WILL NOT BE LIABLE FOR ANY DEFECT UNLESS CLAIM IS MADE WITHIN ONE (1) YEAR AFTER DATE OF THE ORIGINAL SHIPMENT BY THE MANUFACTURER TO CONTRACTOR OR HIS CUSTOMER. THE MANUFACTURER WILL BE GIVEN A REASONABLE OPPORTUNITY TO INSPECT DEFECTIVE MATERIALS UPON RECEIPT OF CLAIM BY CONTRACTOR.
   IF A DEFECT IS OF SUCH NATURE THAT IT CAN BE REMEDIED BY A FIELD OPERATION AT THE JOB SITE WITHOUT THE NECESSITY OF RETURNING THE MATERIAL TO THE MANUFACTURER, THEN UPON WRITTEN AUTHORIZATION OF THE MANUFACTURER THE CONTRACTOR MAY REPAIR OR CAUSE THE MATERIAL TO BE REPAIRED AND THE MANUFACTURER WILL REIMBURSE THE CONTRACTOR FOR THE COST OF THE REPAIR IN ACCORDANCE WITH THE WRITTEN AUTHORIZATION.
   THE CORRECTION OF MINOR MISFITS BY THE USE OF DRIFT PINS TO DRAW THE COMPONENTS IN TO LINE, MODERATE AMOUNTS OF REAMING,CHIPPING AND CUTTING, AND THE REPLACEMENT OF MINOR SHORTAGES OF MATERIAL ARE A NORMAL PART OF ERECTION AND ARE NOT SUBJECT TO CLAIM.

H) ALL BRACING AS SHOWN AND PROVIDED BY THE MANUFACTURER FOR THIS BUILDING IS REQUIRED AND SHALL BE INSTALLED BY THE ERECTOR AS A PERMANENT PART OF THE STRUCTURE.

I) TEMPORARY SUPPORTS, SUCH AS TEMPORARY GUYS, BRACES, FALSE WORK, CRIBBING OR OTHER ELEMENTS REQUIRED FOR THE ERECTION OPERATION WILL BE DETERMINED AND FURNISHED AND INSTALLED BY THE ERECTOR. THESE TEMPORARY SUPPORTS WILL SECURE THE STEEL FRAMING, OR ANY PARTLY ASSEMBLED STEEL FRAMING, AGAINST LOADS COMPARABLE IN INTENSITY TO THOSE FOR WHICH THE STRUCTURE WAS DESIGNED, RESULTING FROM WIND, SEISMIC FORCES AND ERECTION OPERATIONS, BUT NOT THE LOADS RESULTING FROM THE PERFORMANCE OF WORK BY OR THE ACTS OF OTHERS, NOR SUCH UNPREDICTABLE LOADS AS THOSE DUE TO TORNADO, EXPLOSION OR COLLISION. (SECT. 7.10.3 AISC CODE OF STANDARD PRACTICE, LATEST ED.)

J) METAL BUILDING MANUFACTURER IS NOT RESPONSIBLE FOR THE DESIGN,MATERIAL AND WORKMANSHIP OF FOUNDATION. ANCHOR BOLT PLANS PREPARED BY MBM ARE INTENDED TO SHOW ONLY LOCATION, DIAMETER AND PROJECTION OF THE ANCHOR RODS REQUIRED TO ATTACH THE METAL BUILDING SYSTEM TO FOUNDATION. IT IS RESPONSIBILITY OF THE END CUSTOMER TO ENSURE THAT ADEQUATE PROVISIONS ARE MADE FOR SPECIFYING ROD EMBEDMENT, BEARING VALUES, TIE RODS AND OTHER ASSOCIATED ITEMS EMBEDDED IN THE CONCRETE FOUNDATION, AS WELL AS FOUNDATION DESIGN FOR THE LOADS IMPOSED BY MB SYSTEM, OTHER IMPOSED LOAD, AND THE BEARING CAPACITY OF THE SOIL AND OTHER CONDITIONS OF THE BUILDING SITE (MBMA 06 SECTIONS 3.2.2 AND A3)

K) METAL BUILDING MANUFACTURER DOES NOT PROVIDE ANY FIELD SUPERVISION FOR THE ERECTION, NOR DOES MBM PERFORM ANY INSPECTIONS DURING OR AFTER ERECTION.

COMPONENTS & CLADDING (unfactored)

Wall Field Values	=	22.630	psf	/	−24.516 psf
Wall Edge Values	=	22.630	psf	/	−30.174 psf

BAM BUILDINGS AND MORE

FLORIDA PRODUCT APPROVAL NUMBER

PBR ROOF PANEL	36875.1
PBR WALL PANEL	36876.1

IT IS THE RESPONSIBILITY OF THE CUSTOMER TO PROVIDE ALL DOCUMENTATION REQUIRED FOR ANY ACCESSORIES NOT PROVIDED BY MBM TO THEIR LOCAL PERMITTING OFFICE. ALL ACCESSORIES MUST COMPLY AND MEET ALL DESIGN REQUIREMENTS PER LOCAL CODES.

ALL VEHICULAR FRAMED OPENINGS SUPPLIED ON THIS PROJECT HAVE BEEN DESIGNED TO SUPPORT WIND LOADS NORMAL TO A DOOR SYSTEM, BASED ON THE STANDARD BUILDING CODE CRITERIA. THE VEHICULAR FRAMED OPENING HAS NOT BEEN DESIGNED FOR ANY ADDITIONAL MOMENT OR CATENARY FORCE FROM THE DOOR SYSTEM. ANY CHANGES TO THE INFORMATION SHOWN HERE WOULD REQUIRE AN ENGINEERING INVESTIGATION AND POSSIBLE BUILDING REINFORCEMENT.

FRAMING COLORS

Rigid Frame: RO — Flange brace: RO — Angle: RO

RO – Red Oxide
GP – Grey Primer
GZ – Galvanized

	Grt	Pur	EvSt	Jmb	BB	Endwall Col	Endwall Raf
U SECTION:	RO	RO	RO	RO	RO	RO	RO
C SECTION:	RO	RO	RO	RO	RO	RO	RO
D SECTION:	RO	RO	RO	RO	RO	RO	RO
Z SECTION:	RO	RO	RO	RO	RO	RO	RO
E SECTION:	RO	RO	RO	RO	RO	RO	RO
R SECTION:	RO	RO	RO	RO	RO	RO	RO
W SECTION:	RO	RO	RO	RO	RO	RO	RO

WHEN GALVANIZED PROVIDED: ALL FINISHED PRIMARY BUILT–UP AND HOT ROLL MEMBERS ARE HOT DIPPED GALVANIZED. ALL SECONDARY COLD FORMED MEMBERS ARE PRE–GALVANIZED.

RICHARD T SMITH LICENSE No 43547 STATE OF FLORIDA PROFESSIONAL ENGINEER

COLORS:

ROOF:	GALVALUME
WALLS:	COLOR
GABLE:	COLOR
EAVE:	COLOR
CORNER:	COLOR
FRAMED OPENINGS:	COLOR
GUTTER:	COLOR
DOWNSPOUTS:	COLOR
BASE:	COLOR

DRAWING INDEX

IAS ACCREDITED Metal Building Systems AC 472

BUILDING DESIGNED & MANUFACTURED BY AN IAS ACCREDITED FACILITY.

Richard T Smith

Digitally signed by Richard T Smith
DN: c=US, st=Alabama, l=Salem, cn=Richard T Smith, email=rtsmith@smitheng.net
Date: 2024.02.29 14:55:17 -05'00'

This item has been digitally signed and sealed by Richard T Smith on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

DRAWING STATUS

- ☐ FOR APPROVAL: THESE DRAWINGS, BEING FOR APPROVAL, ARE BY DEFINITION NOT FINAL, AND ARE FOR CONCEPTUAL REPRESENTATION ONLY. THEIR PURPOSE IS TO CONFIRM PROPER INTERPRETATION OF THE PROJECT DOCUMENTS. ONLY DRAWINGS ISSUED "FOR CONSTRUCTION" CAN BE CONSIDERED AS COMPLETE.
- ☒ FOR PERMIT: THESE DRAWINGS, BEING FOR PERMIT, ARE BY DEFINITION NOT FINAL IN THAT, AS A MINIMUM, PIECE MARKINGS ARE NOT IDENTIFIED. ONLY DRAWINGS ISSUED "FOR CONSTRUCTION" CAN BE CONSIDERED AS COMPLETE.
- ☐ FOR CONSTRUCTION: THESE DRAWINGS ARE FINAL AND ISSUED FOR FIELD USE FOR BUILDING ERECTION

ISSUE	DATE	CHK	DET

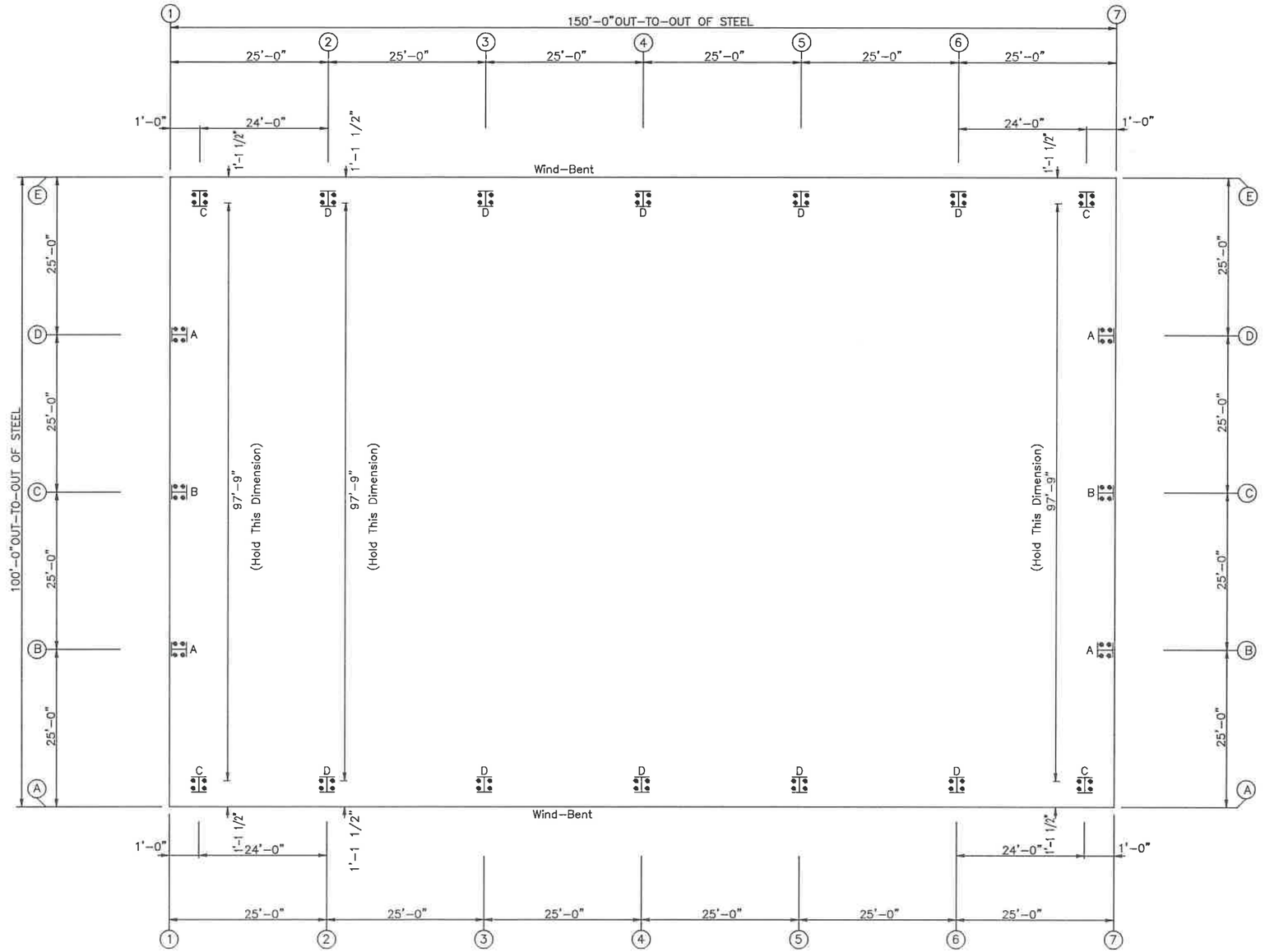
FOR: TOWN HOMES LLC.
133 SE NEWELL DR
LAKE CITY, FL 32025

JOBSITE: LAKE CITY, FL 32025

FROM: BUILDINGS AND MORE
792 SW BASCOM NORRIS DR.
LAKE CITY, FL 32025

JOB NO : 8459
DATE : 2/ 6/24
BY : CTW
SCALE : NONE
TITLE : COVER PAGE
NUMBER : PAGE 0

Dia= 3/4"



ANCHOR BOLT PLAN

NOTE: All Base Plates @ 100'-0" (Unless Noted)

ISSUE	DET	CHK	DATE

BUILDINGS AND MORE

CUSTOMER: TOWN HOMES LLC.

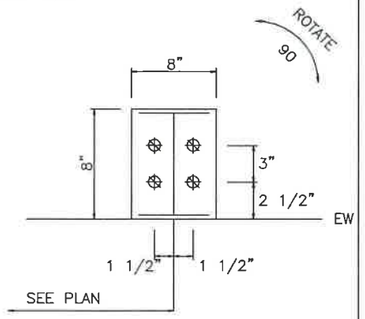
JOB NO: 8459 | DATE: 2/ 6/24

LOCATION: LAKE CITY, FL 32025

DRAWING NAME: ANCHOR BOLT LAYOUT

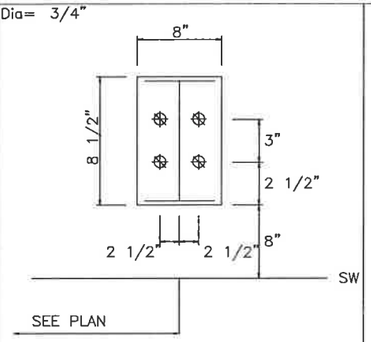
DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
PAGE 1	CTW	SPW	NONE

Dia= 3/4"



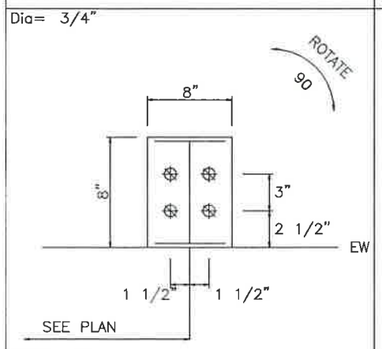
DETAIL A

Dia= 3/4"



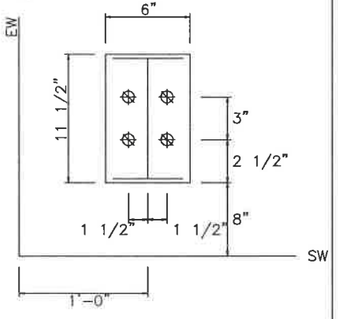
DETAIL D

Dia= 3/4"

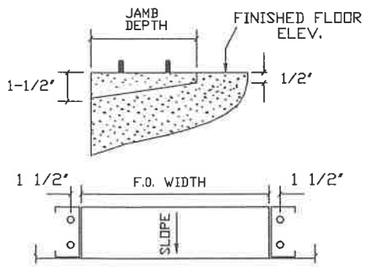


DETAIL B

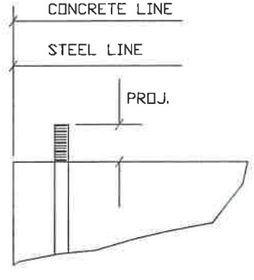
Dia= 3/4"



DETAIL C



TYP. O.H. DOOR RECESS DETAIL



ANCHOR BOLT PROJECTION

ISSUE	DET	CHK	DATE

BUILDINGS AND MORE

CUSTOMER: TOWN HOMES LLC.

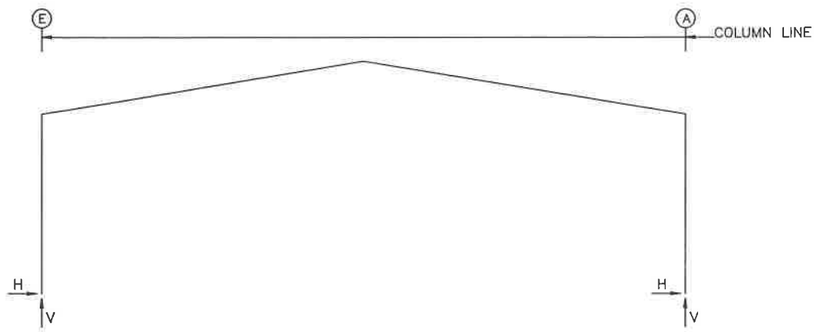
JOB NO: 8459 | DATE: 2/ 6/24

LOCATION: LAKE CITY, FL 32025

DRAWING NAME: ANCHOR BOLT DETAILS

DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
PAGE 1.1	CTW	SPW	NONE

FRAME LINES: 1 2 3 4 5 6 7



RIGID FRAME: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc. Qty	Bolt Dia	Base Plate (in) Width	Length	Thick	Grout (in)
1*	E	4	0.750	6.000	11.50	0.375	0.0
1*	A	4	0.750	6.000	11.50	0.375	0.0

1* Frame lines: 1 7

RIGID FRAME: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc. Qty	Bolt Dia	Base Plate (in) Width	Length	Thick	Grout (in)
2*	E	4	0.750	8.000	8.500	0.500	0.0
2*	A	4	0.750	8.000	8.500	0.500	0.0

2* Frame lines: 2 5 6

RIGID FRAME: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc. Qty	Bolt Dia	Base Plate (in) Width	Length	Thick	Grout (in)
3*	E	4	0.750	8.000	8.500	0.625	0.0
3*	A	4	0.750	8.000	8.500	0.625	0.0

3* Frame lines: 3 4

ENDWALL COLUMN: ANCHOR BOLTS & BASE PLATES

Frm Line	Col Line	Anc. Qty	Bolt Dia	Base Plate (in) Width	Length	Thick	Grout (in)
1	D	4	0.750	8.000	8.000	0.250	0.0
1	C	4	0.750	8.000	8.000	0.250	0.0
1	B	4	0.750	8.000	8.000	0.250	0.0
7	B	4	0.750	8.000	8.000	0.250	0.0
7	C	4	0.750	8.000	8.000	0.250	0.0
7	D	4	0.750	8.000	8.000	0.250	0.0

ANCHOR BOLT SUMMARY

Qty	Locate	Dia (in)	Type	Projection (in)
24	Endwall	3/4"	GR36	1.50
56	Frame	3/4"	GR36	2.50

RIGID FRAME: BASIC COLUMN REACTIONS (k)

Frame Line	Column Line	Dead Horiz	Dead Vert	Collateral Horiz	Collateral Vert	Live Horiz	Live Vert	Wind_Left1 Horiz	Wind_Left1 Vert	Wind_Right1 Horiz	Wind_Right1 Vert	Wind_Left2 Horiz	Wind_Left2 Vert
1*	E	1.3	3.0	0.4	0.7	4.5	7.8	−11.3	−16.4	−3.5	−11.1	−10.0	−11.4
1*	A	−1.3	3.0	−0.4	0.7	−4.5	7.8	3.5	−11.1	11.3	−16.4	2.2	−6.1
2*	E	2.2	4.5	0.8	1.3	9.2	15.0	−16.9	−23.0	−3.9	−15.8	−14.7	−13.3
2*	A	−2.2	4.5	−0.8	1.3	−9.2	15.0	3.9	−15.8	16.9	−23.0	1.8	−6.1
3*	E	2.3	4.6	0.8	1.3	9.4	15.0	−17.0	−23.0	−4.1	−15.8	−14.8	−13.3
3*	A	−2.3	4.6	−0.8	1.3	−9.4	15.0	4.1	−15.8	17.0	−23.0	2.0	−6.1

Frame Line	Column Line	Wind_Right2 Horiz	Wind_Right2 Vert	Wind_Long1 Horiz	Wind_Long1 Vert	Wind_Long2 Horiz	Wind_Long2 Vert	Seismic_Left Horiz	Seismic_Left Vert	Seismic_Right Horiz	Seismic_Right Vert
1*	E	−2.2	−6.1	−2.6	−10.8	−3.3	−9.0	−0.2	−0.1	0.2	0.1
1*	A	10.0	−11.4	3.3	−9.0	2.6	−10.8	−0.2	0.1	0.2	−0.1
2*	E	−1.8	−6.1	−5.5	−20.7	−6.9	−17.3	−0.2	−0.1	0.2	0.1
2*	A	14.7	−13.3	6.9	−17.3	5.5	−20.7	−0.2	0.1	0.2	−0.1
3*	E	−2.0	−6.1	−5.7	−20.7	−7.1	−17.3	−0.2	−0.1	0.2	0.1
3*	A	14.8	−13.3	7.1	−17.3	5.7	−20.7	−0.2	0.1	0.2	−0.1

1* Frame lines: 1 7
2* Frame lines: 2 5 6
3* Frame lines: 3 4

ENDWALL COLUMN: BASIC COLUMN REACTIONS (k)

Frm Line	Col Line	Dead Vert	Wind Press Horz	Wind Suct Horz	Seis Long Vert
1	D	0.6	−7.1	7.9	0.0
1	C	1.1	−8.1	8.9	0.0
1	B	0.6	−7.1	7.9	0.0
7	B	0.6	−7.1	7.9	0.0
7	C	1.1	−8.1	8.9	0.0
7	D	0.6	−7.1	7.9	0.0

NOTES FOR REACTIONS

Building reactions are based on the following building data:

Width (ft)	= 100.0
Length (ft)	= 150.0
Eave Height (ft)	= 28.0/ 28.0
Roof Slope (Rise/12)	= 2.0/ 2.0
Dead Load (psf)	= 2.0
Collateral Load (psf)	= 1.0
Roof Live Load(psf)	= 20.0
Frame Live Load(psf)	= 12.0
Wind Speed (mph)	= 119.0
Wind Code	= FBC 23 (8TH EDITION)
Exposure	= B
Closure	= Enclosed
Importance Wind	= 1.00
Importance Seismic	= 1.00
Seismic Zone	= B
Seismic Coeff (Fa*Ss)	= 0.14

GENERAL NOTES

1. FOUNDATION DESIGN AND CONSTRUCTION ARE NOT THE RESPONSIBILITY OF METAL BUILDING MANUFACTURER.
2. ALL REACTIONS ARE UNFACTORED.
3 ULTIMATE WIND LOADS ARE USED TO DERIVE THE WIND REACTION.
4. ANCHOR BOLTS SHALL BE ACCURATELY SET TO A TOLLERANCE OF +/− 1/8" IN BOTH ELEVATION AND LOCATION.
5. COLUMN BASE PLATES ARE DESIGNED NOT TO EXCEED A BEARING PRESSURE OF 1050 POUNDS PER SQUARE INCH.

BUILDING BRACING REACTIONS

Wall Loc	Wall Line	Col Line	± Reactions(k) Wind Horz	Wind Vert	Seismic Horz	Seismic Vert	Panel_Shear (lb/ft) Wind	Seis	Note
L_EW	1								(h)
F_SW	A	3,4	6.5	13.5	0.7	1.4			(b)
R_EW	7								(h)
B_SW	E	3,4	6.5	13.5	0.7	1.4			(b)

(b)Wind bent in bay, base above finish floor
(h)Rigid frame at endwall

Reactions for seismic represent shear force, Eh

NOTE: THE FRAMING AT BOTH ENDWALLS IS NOT DESIGNED TO ACCOMMODATE FUTURE ADDITIONS. REACTIONS CORRESPONDING TO THESE FRAME LINES REFLECT LOADINGS FOR ACTUAL TRIBUTARY AREA AND ARE NOT INTENDED TO INCLUDE ANY FUTURE MODIFICATIONS UNLESS NOTED OTHERWISE.

1

ISSUE	DET	CHK	DATE

BUILDINGS AND MORE

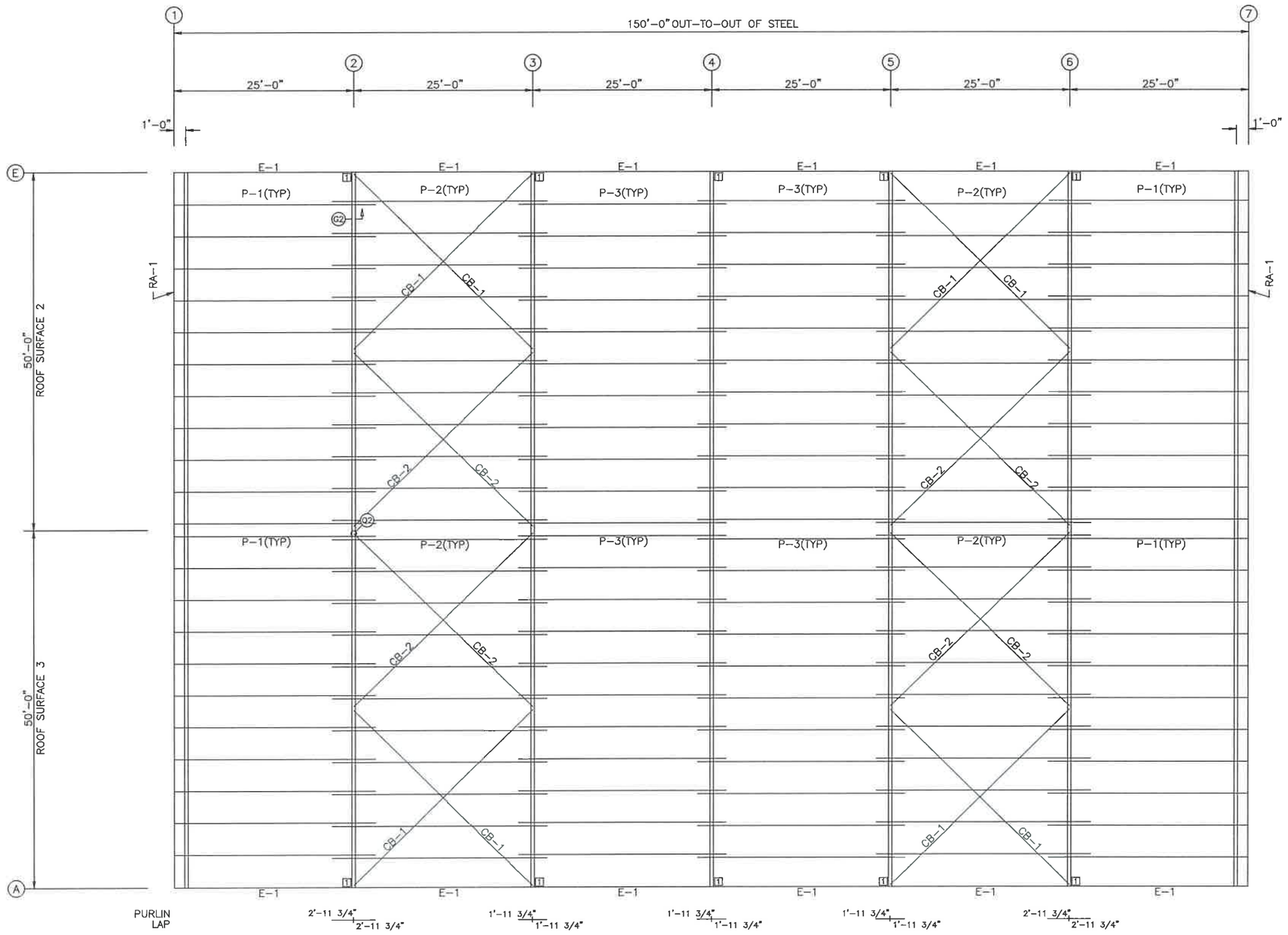
CUSTOMER: TOWN HOMES LLC.

JOB NO: 8459 DATE: 2/ 6/24

LOCATION: LAKE CITY, FL 32025

DRAWING NAME: ANCHOR BOLT REACTIONS

DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
PAGE 1.2	CTW	SPW	NONE



ROOF FRAMING PLAN

SPECIAL BOLTS
ROOF PLAN

ID	QUAN	TYPE	DIA	LENGTH	WASH
1	4	A307	1/2"	1 1/4"	0

MEMBER TABLE
ROOF PLAN

MARK	PART	LENGTH
P-1	10x25Z16	27'-11 1/2"
P-2	10x25Z16	29'-11 1/2"
P-3	10x25Z16	28'-11 1/2"
E-1	10LE14@2	24'-11 1/2"
CB-1	3/8 CBL	34'-9"
CB-2	1/4 CBL	35'-7"

CONNECTION PLATES
ROOF PLAN

ID	MARK/PART
1	ES-1

ISSUE	DET	CHK	DATE

BUILDINGS AND MORE

CUSTOMER: TOWN HOMES LLC.

JOB NO: 8459 DATE: 2/ 6/24

LOCATION: LAKE CITY, FL 32025

DRAWING NAME: ROOF FRAMING LAYOUT

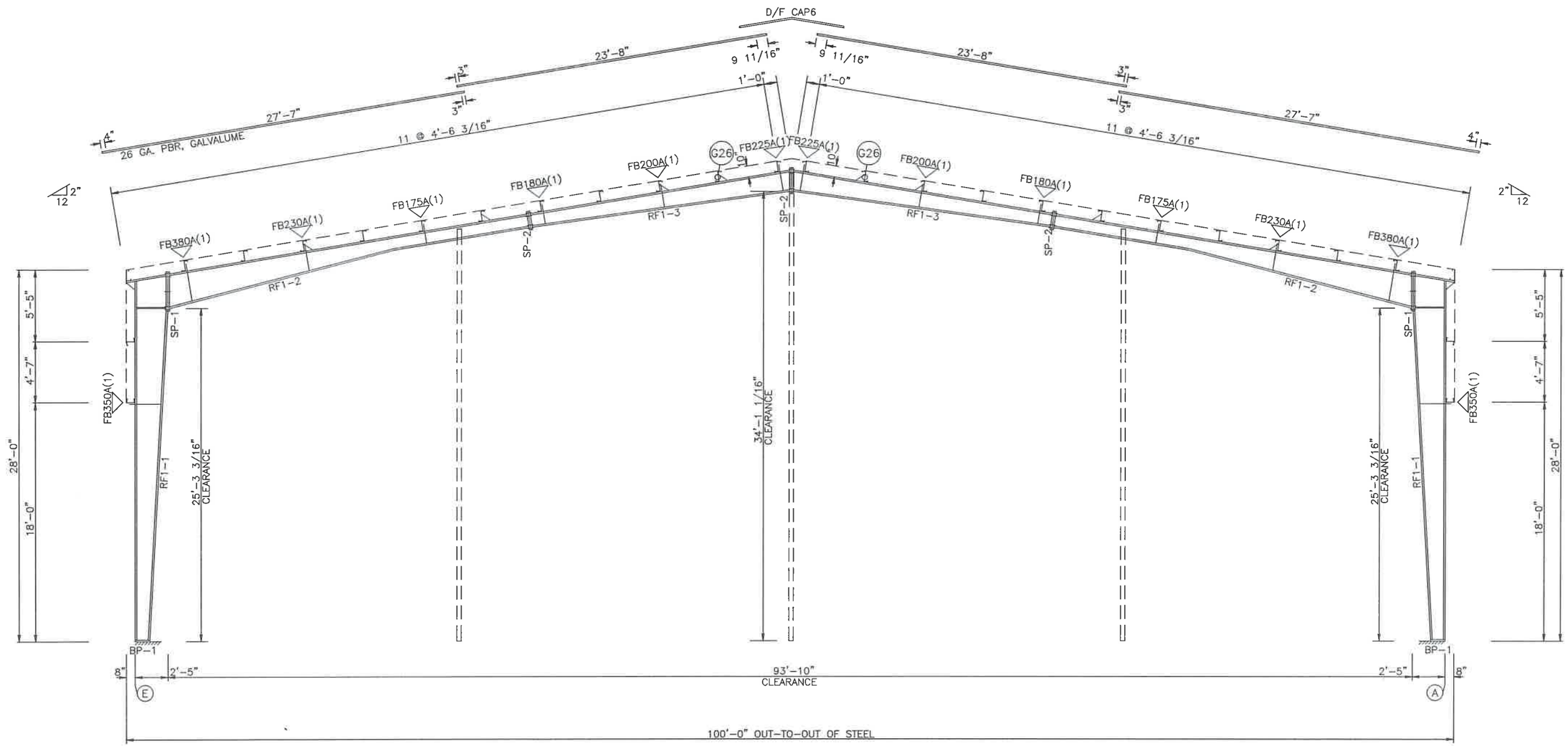
DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
PAGE 2	CTW	SPW	NONE

SPLICE BOLT TABLE						
MARK	Qty Top	Bot	Int	TYPE	DIA	Length
SP-1	4	4	2	A325	3/4"	2 1/2"
SP-2	4	4	0	A325	5/8"	2"

BASE PLATE TABLE			
COL MARK	PLATE SIZE Width	THICK	Length
BP-1	6"	3/8"	11 1/2"

MEMBER TABLE						
MARK	Weight	Web Depth Start/End	Web PLATE THICK	Length	Outside Flange W x Thk x Length	Inside Flange W x Thk x Length
RF1-1	967	10.0/17.2	0.135	9'-11 11/16"	6 x 1/2" x 18'-5 3/4"	6 x 5/8" x 18'-6 1/8"
		17.2/28.0	0.135	14'-11"	6 x 1/2" x 2'-0"	6 x 5/8" x 2'-0"
		28.0/28.0	0.188	2'-8 5/8"	6 x 3/8" x 6'-8 13/16"	6 x 1/2" x 4'-5 1/16"
					6 x 1/4" x 3'-0 15/16"	
RF1-2	564	28.0/12.1	0.135	14'-11"	6 x 1/4" x 20'-0"	6 x 5/16" x 17'-4 15/16"
		12.1/ 9.5	0.135	2'-5 1/8"	6 x 1/4" x 7'-4 13/16"	6 x 1/4" x 10'-5 7/16"
		9.5/ 9.5	0.135	10'-5 7/16"		
RF1-3	359	9.5/14.4	0.135	14'-11"	6 x 1/4" x 20'-0"	6 x 1/4" x 19'-9 3/8"
		14.4/16.0	0.135	5'-1"		

▽FLANGE BRACES: (1) One Side; (2) Two Sides
FBxxA(1): xx=length(in)
A – L2x2x14



RIGID FRAME ELEVATION: FRAME LINE 1 7

NOTE: THE FRAMING AS DEPICTED ABOVE IS NOT DESIGNED TO ACCOMMODATE ANY FUTURE EXPANSION.

6

ISSUE	DET	CHK	DATE

BUILDINGS AND MORE

CUSTOMER: TOWN HOMES LLC.

JOB NO: 8459 | DATE: 2/ 6/24

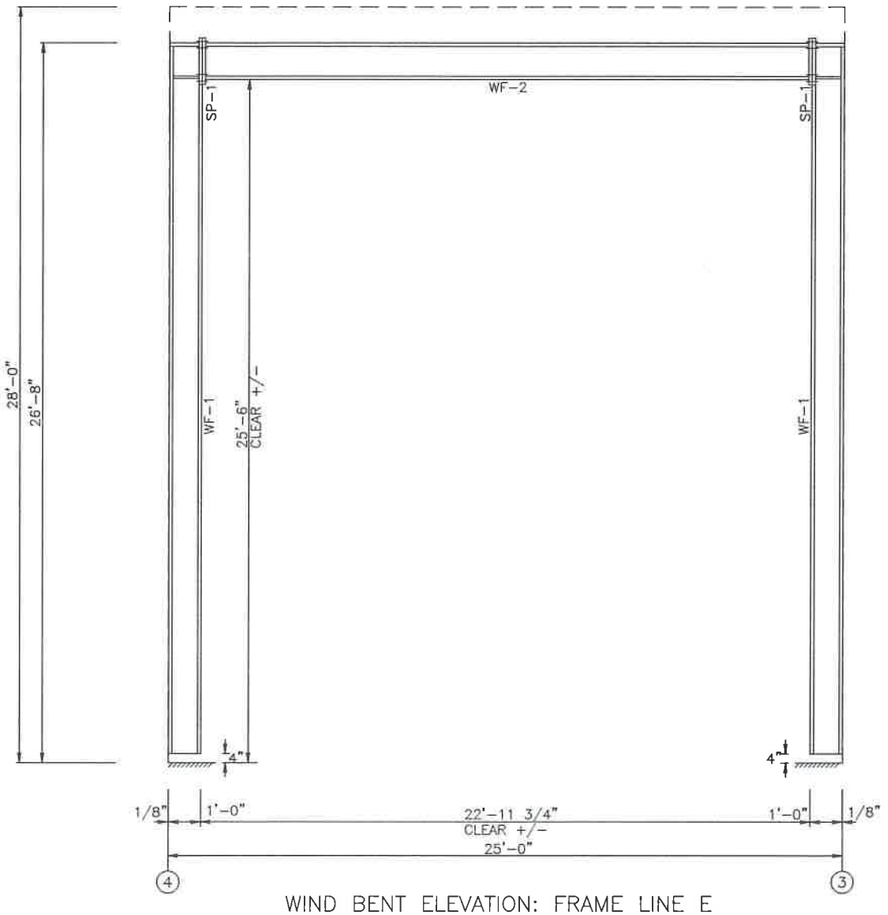
LOCATION: LAKE CITY, FL 32025

DRAWING NAME: RIGID FRAME CROSS SECTION

DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
PAGE 2.1	CTW	SPW	NONE

SPLICE BOLTS					
Splice Mark	Quan Top/ Bot		------Bolt------ Type	Dia	Length
SP- 1	4	4	A325	7/8"	3"

MEMBER SIZE TABLE		
MARK	MEMBER	LENGTH
WF-2	B14663	22'-11"
WF-1	B12063	26'-4"



WIND BENT ELEVATION: FRAME LINE E

ISSUE	DET	CHK	DATE

BUILDINGS AND MORE

CUSTOMER: TOWN HOMES LLC.

JOB NO: 8459 | DATE: 2/ 6/24

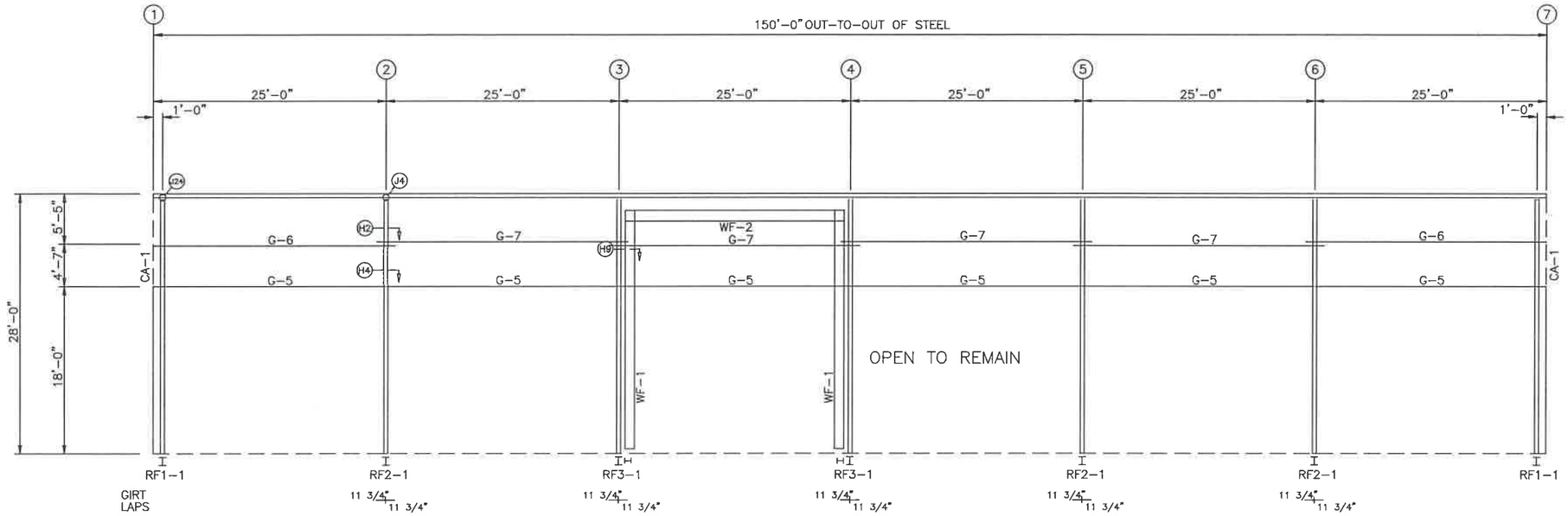
LOCATION: LAKE CITY, FL 32025

DRAWING NAME: RIGID FRAME CROSS SECTION

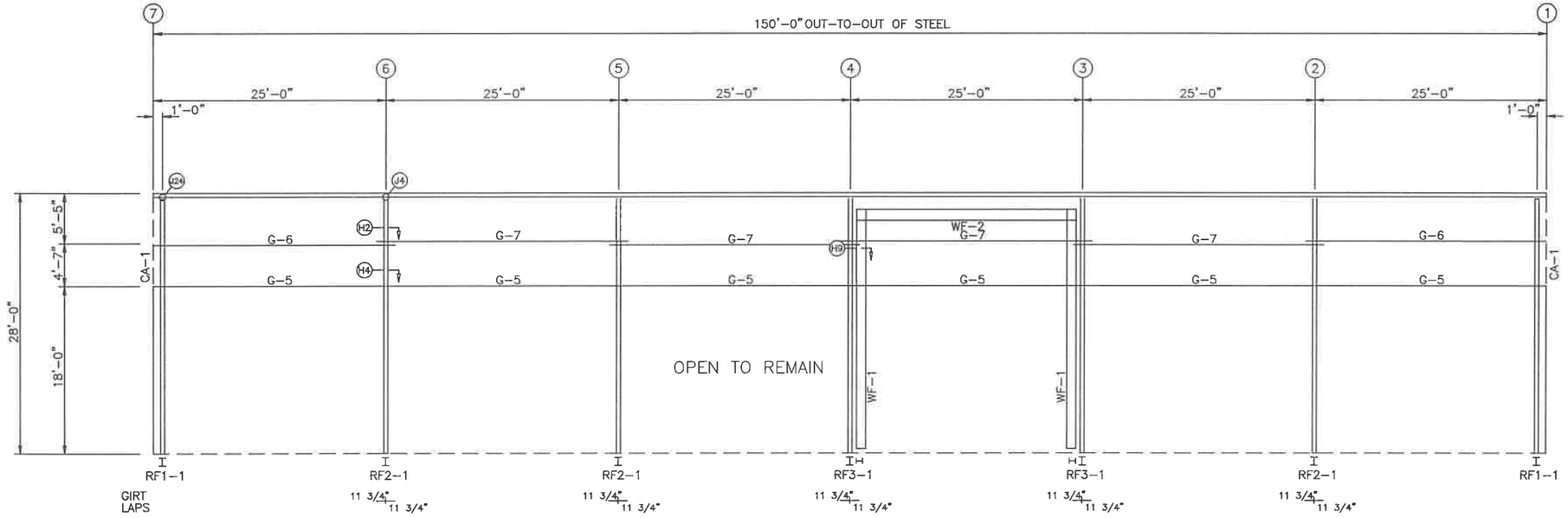
DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
PAGE 2.5	CTW	SPW	NONE

BOLT TABLE FRAME LINE A & E				
LOCATION	QUAN	TYPE	DIA	LENGTH
WF-1 – WF-2	8	A325	7/8"	3"
WF-1 – RF3-1	4	A325	5/8"	2"

MEMBER TABLE FRAME LINE A & E		
MARK	PART	LENGTH
WF-1	B12063	25'-4"
WF-2	B14663	22'-11"
G-5	8x25C16	24'-11 1/2"
G-6	8x25Z16	25'-11 1/2"
G-7	8x25Z16	26'-11 1/2"



SIDEWALL FRAMING: FRAME LINE A



SIDEWALL FRAMING: FRAME LINE E

ALL VEHICULAR FRAMED OPENINGS SUPPLIED ON THIS PROJECT HAVE BEEN DESIGNED TO SUPPORT WIND LOADS NORMAL TO A DOOR SYSTEM, BASED ON THE STANDARD BUILDING CODE CRITERIA. THE VEHICULAR FRAMED OPENING HAS NOT BEEN DESIGNED FOR ANY ADDITIONAL MOMENT OR CATENARY FORCE FROM THE DOOR SYSTEM. ANY CHANGES TO THE INFORMATION SHOWN HERE WOULD REQUIRE AN ENGINEERING INVESTIGATION AND POSSIBLE BUILDING REINFORCEMENT.

15

ISSUE	DET	CHK	DATE

BUILDINGS AND MORE

CUSTOMER: TOWN HOMES LLC.

JOB NO: 8459 | DATE: 2/ 6/24

LOCATION: LAKE CITY, FL 32025

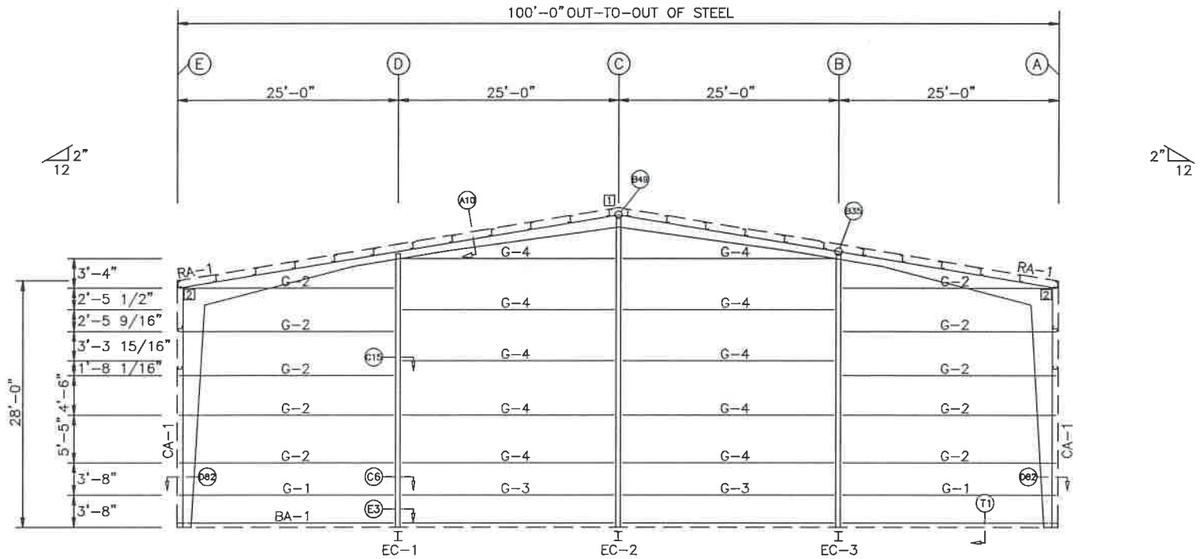
DRAWING NAME: SIDEWALL FRAMING LAYOUT

DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
PAGE 3	CTW	SPW	NONE

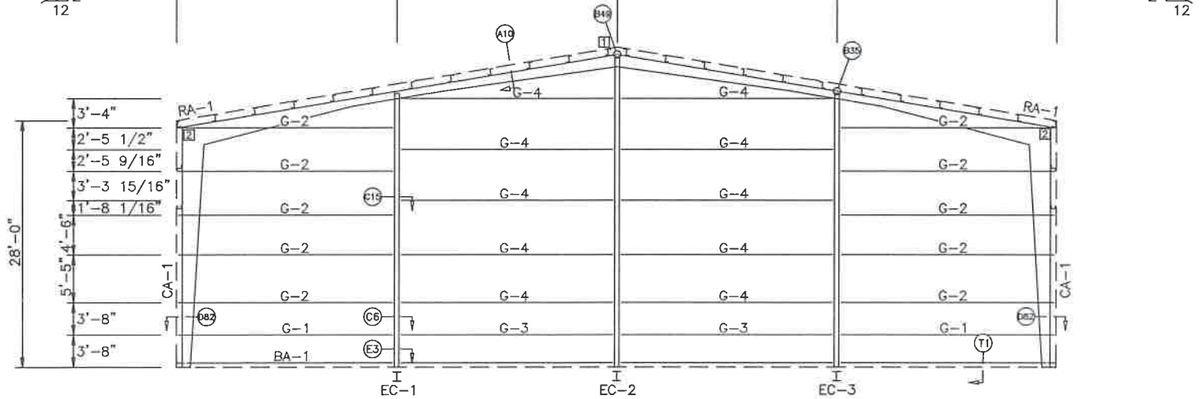
BOLT TABLE FRAME LINE 1 & 7				
LOCATION	QUAN	TYPE	DIA	LENGTH
EC-1/FRAME	2	A325	5/8"	2"
EC-2/FRAME	10	A325	5/8"	2"
EC-3/FRAME	2	A325	5/8"	2"

MEMBER TABLE FRAME LINE 1 & 7		
MARK	PART	LENGTH
EC-1	B08663	31'-2 5/16"
EC-2	W8X31	35'-4 5/16"
EC-3	B08663	31'-2 5/16"
G-1	8x25Z14	24'-7 1/2"
G-2	8x25Z12	24'-7 1/2"
G-3	8x25Z14	24'-3 1/2"
G-4	8x25Z12	24'-3 1/2"

CONNECTION PLATES FRAME LINE 1 & 7	
☐ID	MARK/PART
1	EX-1
2	SGC-1



ENDWALL FRAMING: FRAME LINE 1



ENDWALL FRAMING: FRAME LINE 7

NOTE: THE FRAMING AS DEPICTED ABOVE IS NOT DESIGNED TO ACCOMMODATE ANY FUTURE EXPANSION.

6

ISSUE	DET	CHK	DATE

BUILDINGS AND MORE

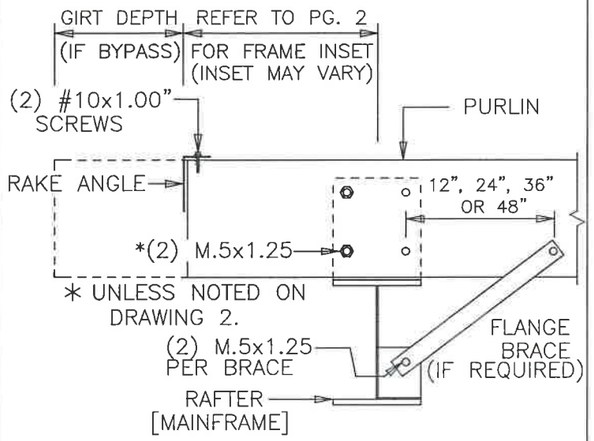
CUSTOMER: TOWN HOMES LLC.

JOB NO: 8459 DATE: 2/ 6/24

LOCATION: LAKE CITY, FL 32025

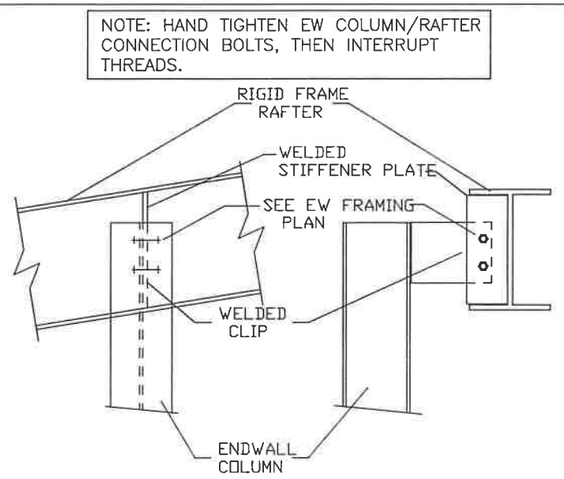
DRAWING NAME: ENDWALL FRAMING LAYOUT

DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
PAGE 4	CTW	SPW	NONE

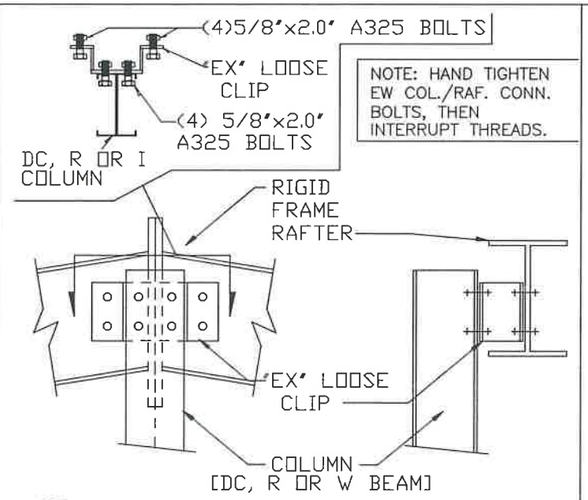


DETAIL A10

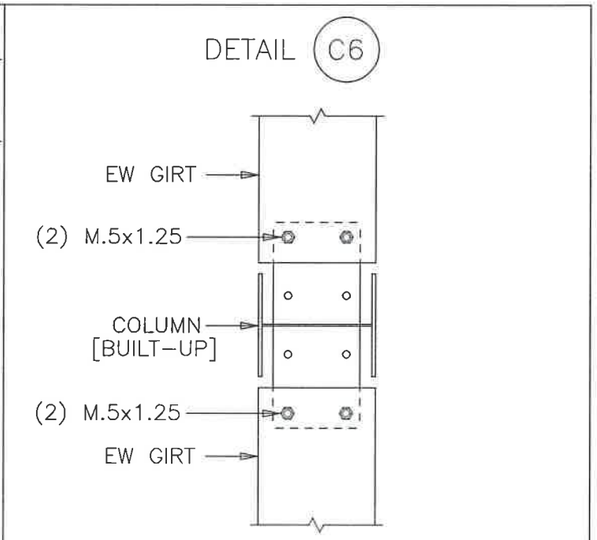
PURLIN TO ENDWALL RAFTER



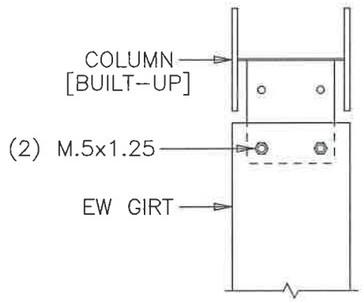
B35 ENDWALL RAFTER TO COLUMN



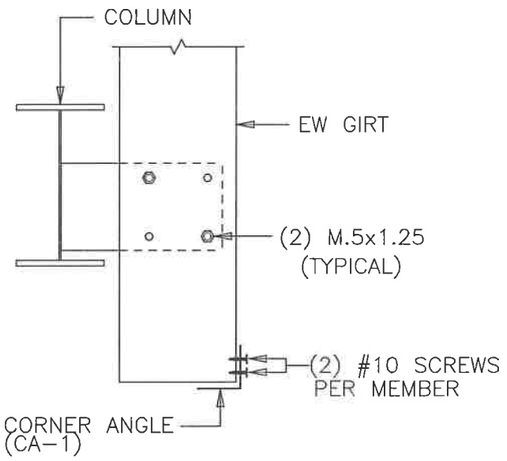
B49 EW COL. TO RF RAFTER AT PEAK CONNECTION



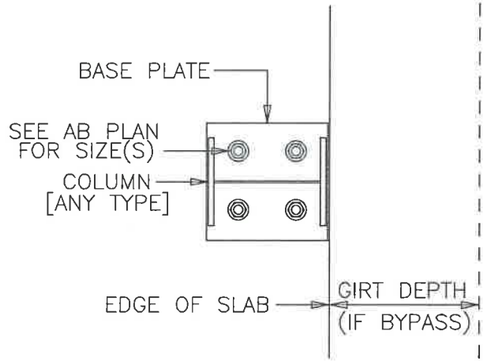
ENDWALL GIRTS TO INTERIOR COLUMN



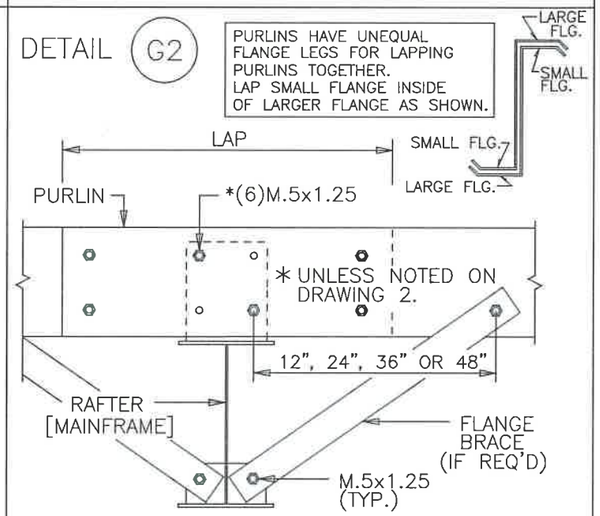
ENDWALL GIRT STOPPING AT COLUMN



D82 GIRTS TO CORNER COLUMN



ENDWALL COLUMN BASE DETAIL



PURLIN TO MAINFRAME RAFTER

ISSUE	DET	CHK	DATE

BUILDINGS AND MORE

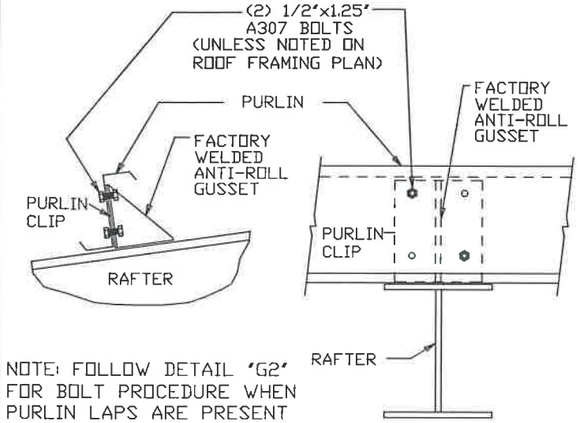
CUSTOMER: TOWN HOMES LLC.

JOB NO: 8459 | DATE: 2/ 6/24

LOCATION: LAKE CITY, FL 32025

DRAWING NAME: FRAMING DETAILS

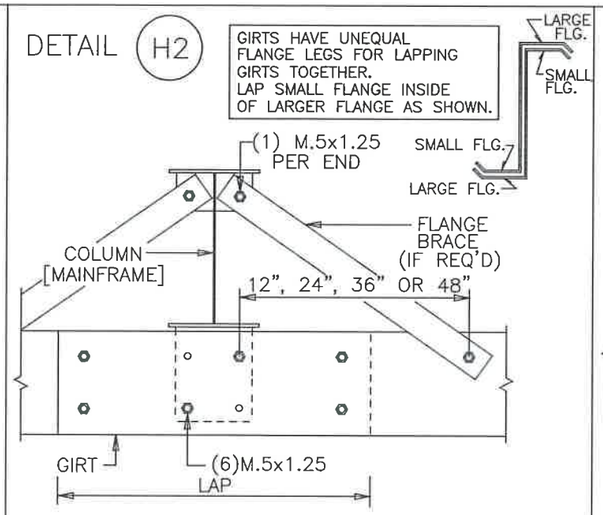
DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
PAGE 5	CTW	SPW	NONE



G26 WELDED ANTI-ROLL CLIP

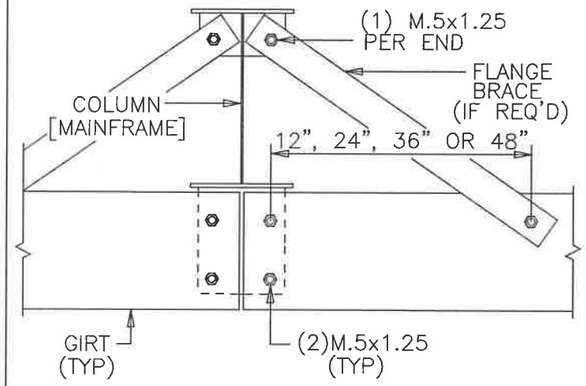
DETAIL H2

GIRTS HAVE UNEQUAL FLANGE LEGS FOR LAPPING GIRTS TOGETHER. LAP SMALL FLANGE INSIDE OF LARGER FLANGE AS SHOWN.



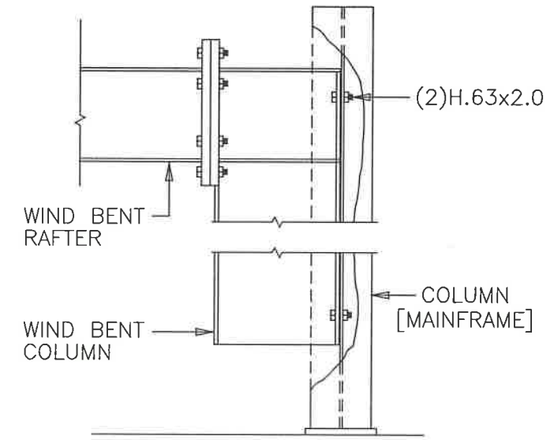
GIRT TO MAINFRAME COLUMN

DETAIL H4



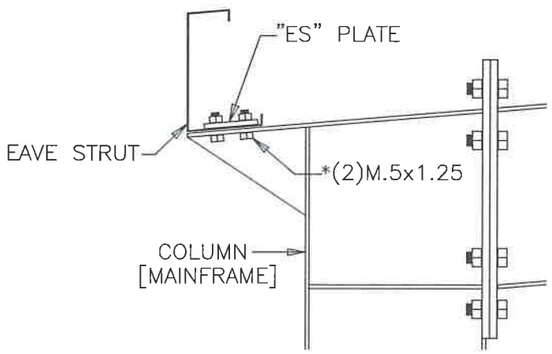
GIRT TO MAINFRAME COLUMN

DETAIL H9



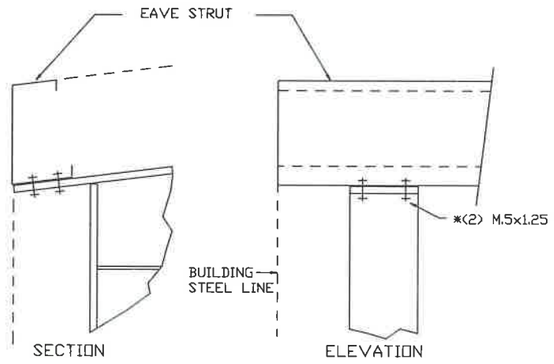
WIND BENT DETAIL

NOTE: REFER TO PAGE 2 FOR 'ES' PLATE REQUIRED LOCATIONS!



*UNLESS NOTED ON PAGE 2

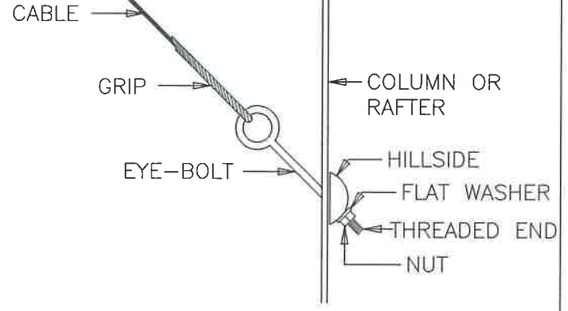
J4 EAVE STRUT CONNECTION AT MAINFRAME



* = UNLESS NOTED ON ROOF FRAMING PLAN

J24 EAVE STRUT TO RIGID FRAME

Q2 CABLE INSTALLATION DETAIL



NOTE: WHEN FLUSH GIRTS/PURLINS ARE USED, FIELD SLOT GIRT OR PURLIN AS REQ'D FOR CABLE/ROD PASSAGE THROUGH PURLIN/GIRT.

ISSUE	DET	CHK	DATE

BUILDINGS AND MORE

CUSTOMER: TOWN HOMES LLC.

JOB NO: 8459 | DATE: 2/ 6/24

LOCATION: LAKE CITY, FL 32025

DRAWING NAME: FRAMING DETAILS

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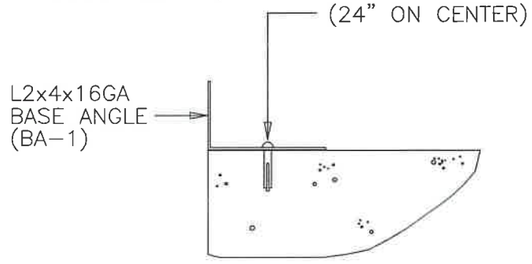
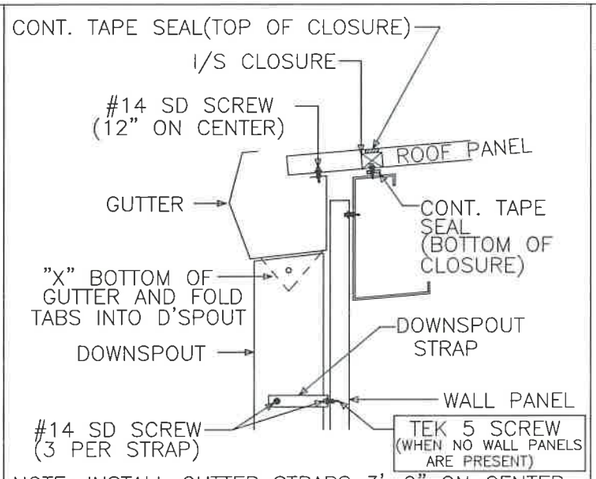
PAGE 5.1	CTW	SPW	NONE

DETAIL (T1)

1/4" x 1 1/4" ZINC HAMMER DRIVES
ZAMAK ALLOY (ASTM B633, SC1, TYPE III)
(24" ON CENTER)

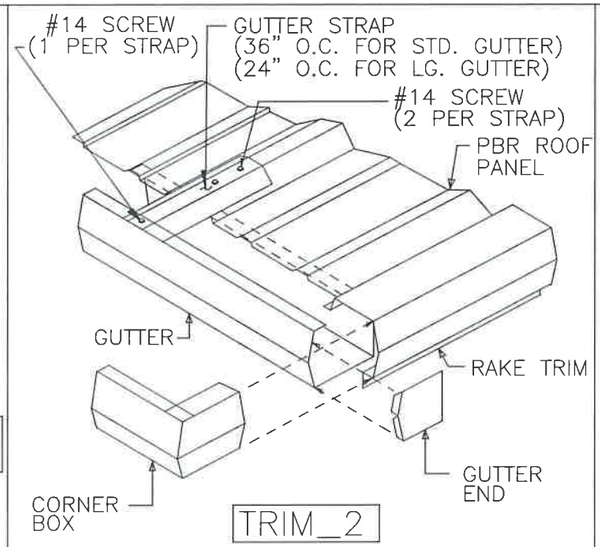


BASE ANGLE DETAIL

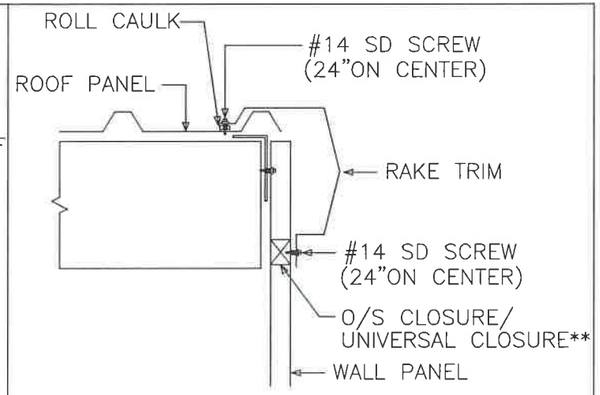


NOTE: INSTALL GUTTER STRAPS 3'-0" ON CENTER.
NOTE: INSTALL D'SPOUT STRAPS 5'-0" ON CENTER.

TRIM_1
GUTTER DETAIL



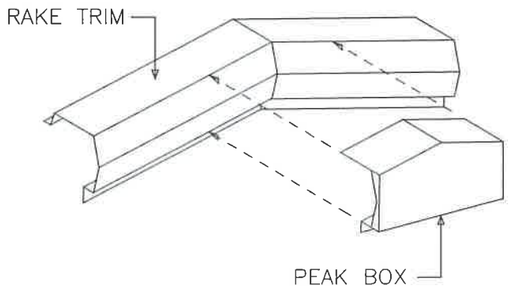
TRIM_2
GUTTER END DETAIL



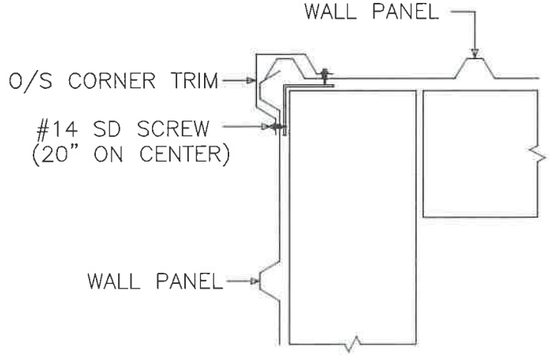
** - O/S CLOSURE FOR ROOF PITCHES UP TO 2:12"
UNIVERSAL CLOSURE FOR ROOF PITCHES ABOVE 2:12"

NOTE: FIELD CUT UNIVERSAL CLOSURES TO MATCH WALL PANEL PROFILE (ON PITCH).

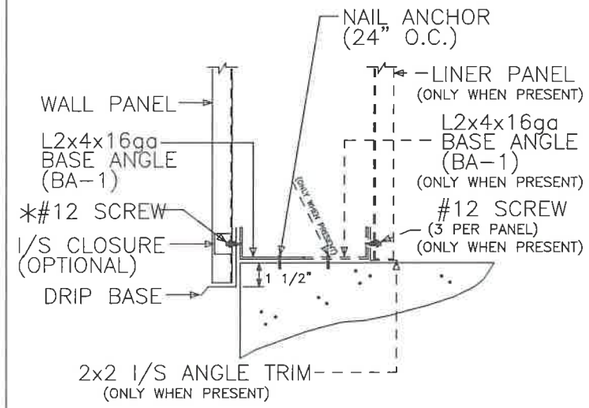
TRIM_3
RAKE TRIM DETAIL



TRIM_4
PEAK BOX DETAIL

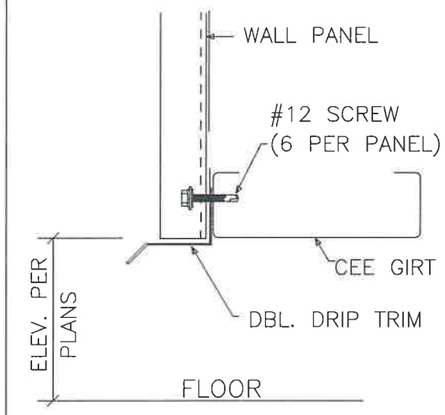


TRIM_5
O/S CORNER DETAIL



*= 6 PER PANEL FOR STANDARD PBR
3 PER PANEL FOR REV. ROLLED PBR

TRIM_16 BASE TRIM DETAIL



TRIM_22
DOUBLE DRIP TRIM DETAIL
(PARTIAL WALL; CLEAR OPENING)

ISSUE	DET	CHK	DATE

BUILDINGS AND MORE

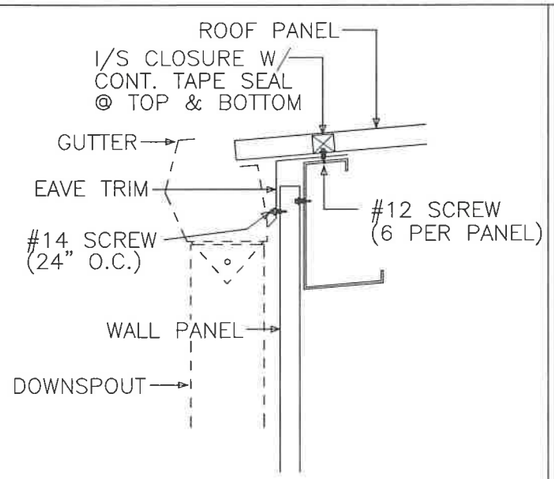
CUSTOMER: TOWN HOMES LLC.

JOB NO: 8459 | DATE: 2/ 6/24

LOCATION: LAKE CITY, FL 32025

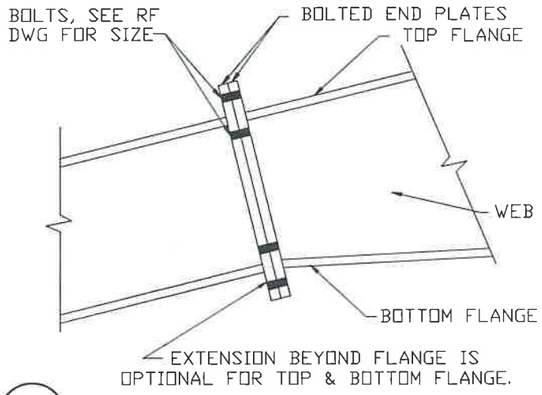
DRAWING NAME: FRAMING DETAILS

DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
PAGE 5.2	CTW	SPW	NONE

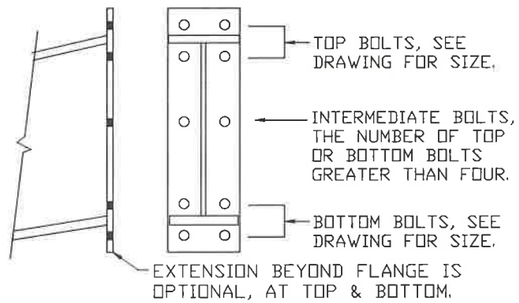


TRIM_120

EAVE/GUTTER TRIM DETAIL



U1 BOLTED END PLATE RAFTER SPLICE



BOLTED END PLATE CONNECTION

STRUCTURAL BOLTED CONNNECTIONS

REFER TO COVER PAGE "GENERAL NOTES" PARAGRAPH "C", SECTION "9" FOR INSTRUCTIONS ON TIGHTENING ALL A325 AND A490 CONNECTION BOLTS.

TRIM NOTES:

[1] SEAL TRIM SPLICES WITH TUBE CAULK.
[2] SECURE GUTTER SPLICES AND END PLUGS WITH RIVETS.
[3] SECURE ALL OTHER ROOF TRIM SPLICES WITH TRIM SCREWS UNLESS NOTED OTHERWISE.
[4] TRIM SCREWS ARE LOCATED 24" ON CENTER UNLESS NOTED OTHERWISE.
[5] STD. TRIM SPLICES ARE 3" TOTAL UNLESS NOTED OTHERWISE.

MORTISE PREPPED PERSONNEL DOORS

ALL MORTISE PREPPED PERSONNEL DOORS COME AS RIGHTHAND REVERSED SWING.

(i.e. STANDING ON THE OUTSIDE OF THE BUILDING FACING THE DOOR, THE LOCK WILL BE ON THE LEFTHAND SIDE OF THE DOOR AND THE DOOR WILL SWING OUTWARD FROM THE BUILDING.)

ANY FIELD MODIFICATIONS ARE THE RE-SPONSIBILITY OF THE ERECTOR AND MBM IS NOT LIABLE FOR LABOR CHARGES NOR DAMAGES DUE TO ERROR.

BUILT-UP MEMBER LEGEND

BEAM TYPE	BEAM DEPTH	FLANGE WIDTH	FLANGE THK.	WEB THK.
B	08	5	4	1
B= BUILT-UP	08= 8" 10= 10" 12= 12" 14= 14" ETC.	5,6,8,10 OR 12 (INCHES)	MEASURED IN 16ths. (4= 1/4", 5= 5/16" ETC.)	1= 10ga 3= 3/16" ETC.

ISSUE	DET	CHK	DATE

BUILDINGS AND MORE

CUSTOMER: TOWN HOMES LLC.

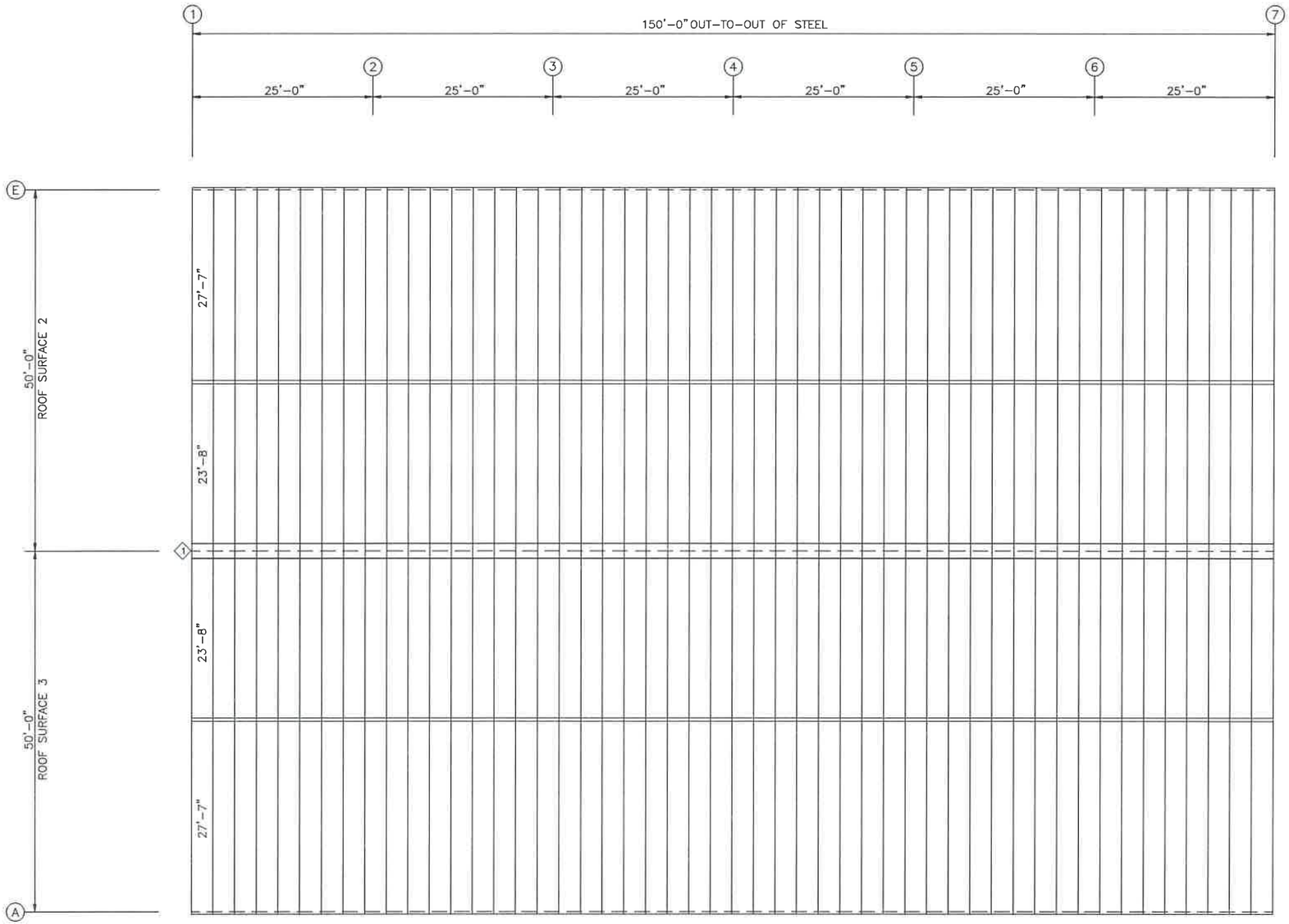
JOB NO: 8459 | DATE: 2/ 6/24

LOCATION: LAKE CITY, FL 32025

DRAWING NAME: FRAMING DETAILS

DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
PAGE 5.3	CTW	SPW	NONE

TRIM TABLE ROOF PLAN		
◇ID	PART	LENGTH
1	D/F CAP6	3'-0"



ROOF SHEETING PLAN

PANELS: 26 GA. PBR – GALVALUME

ISSUE	DET	CHK	DATE

BUILDINGS AND MORE

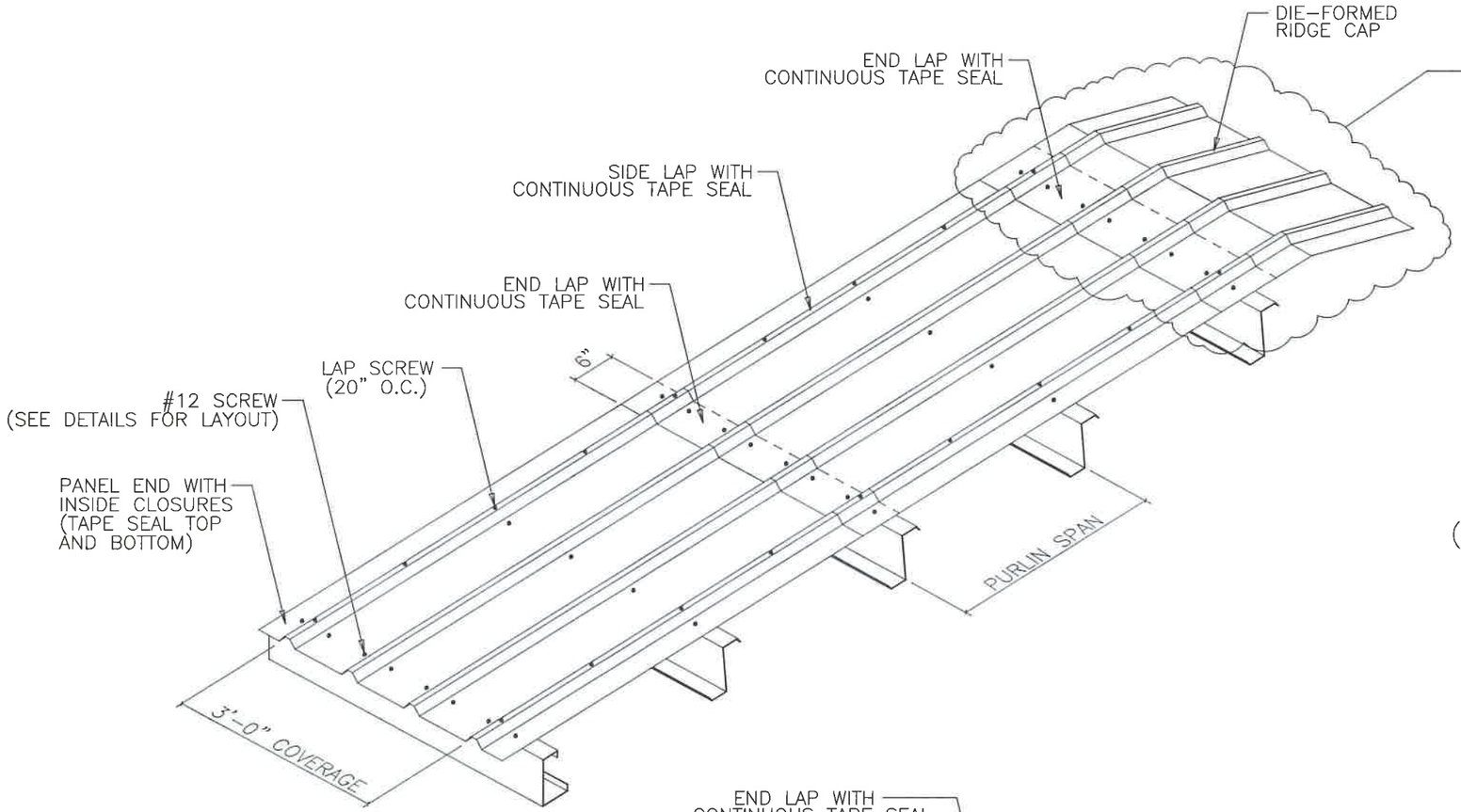
CUSTOMER: TOWN HOMES LLC.

JOB NO: 8459 | DATE: 2/ 6/24

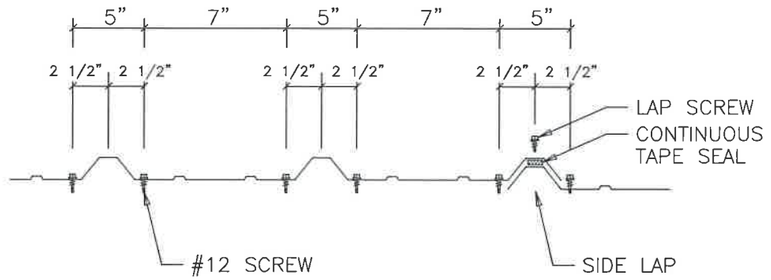
LOCATION: LAKE CITY, FL 32025

DRAWING NAME: ROOF PANELS & TRIM

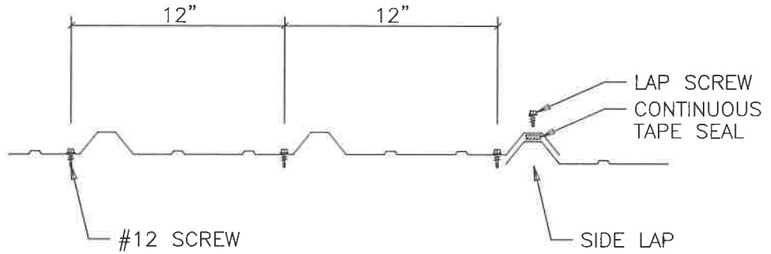
DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
PAGE 6	CTW	SPW	NONE



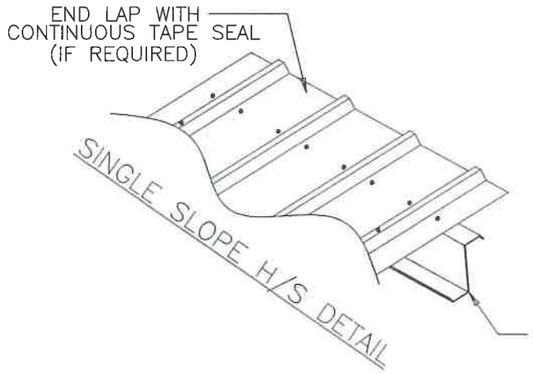
D/F RIDGE SHOWN (GABLED).
SEE BELOW FOR ALTERNATE
DETAIL TO BE VIEWED WHEN
BUILDING IS SINGLE SLOPED.



PANEL ATTACHMENT AT PANEL END
(PEAK PURLIN, EAVE STRUT, AND PANEL END LAPS)



PANEL ATTACHMENT AT INTERMEDIATE MEMBERS



NOTES:

[1] ALL END LAPS MUST BE A MINIMUM OF 6".

[2] METAL SHAVINGS MUST BE SWEPT FROM THE ROOF EACH DAY DURING ERECTION TO PREVENT SURFACE RUSTING.

[3] TAPE SEAL MUST BE APPLIED WITH NO GAPS OR BREAKS.

[4] #12 SCREWS ARE USED TO ATTACH THE PANEL TO THE PURLINS. #14 LAP SCREWS ARE USED AT THE PANEL–TO–PANEL ATTACHMENTS. ALL FASTENERS ARE SELF–DRILLING.

ISSUE	DET	CHK	DATE
BUILDINGS AND MORE			

CUSTOMER: TOWN HOMES LLC.

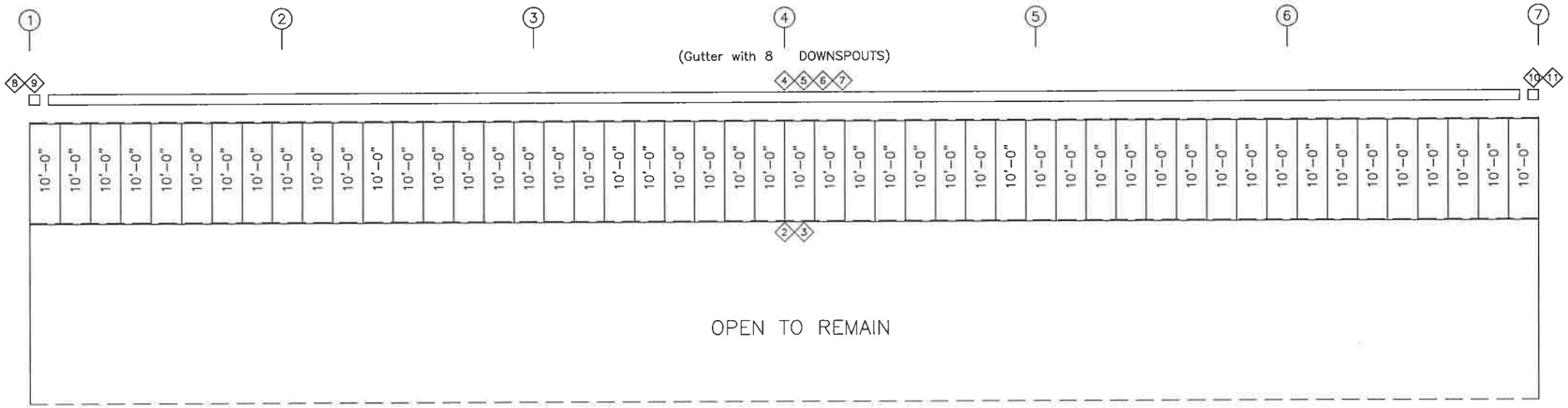
JOB NO: 8459 | DATE: 2/ 6/24

LOCATION: LAKE CITY, FL 32025

DRAWING NAME: ROOF PANEL DETAILS

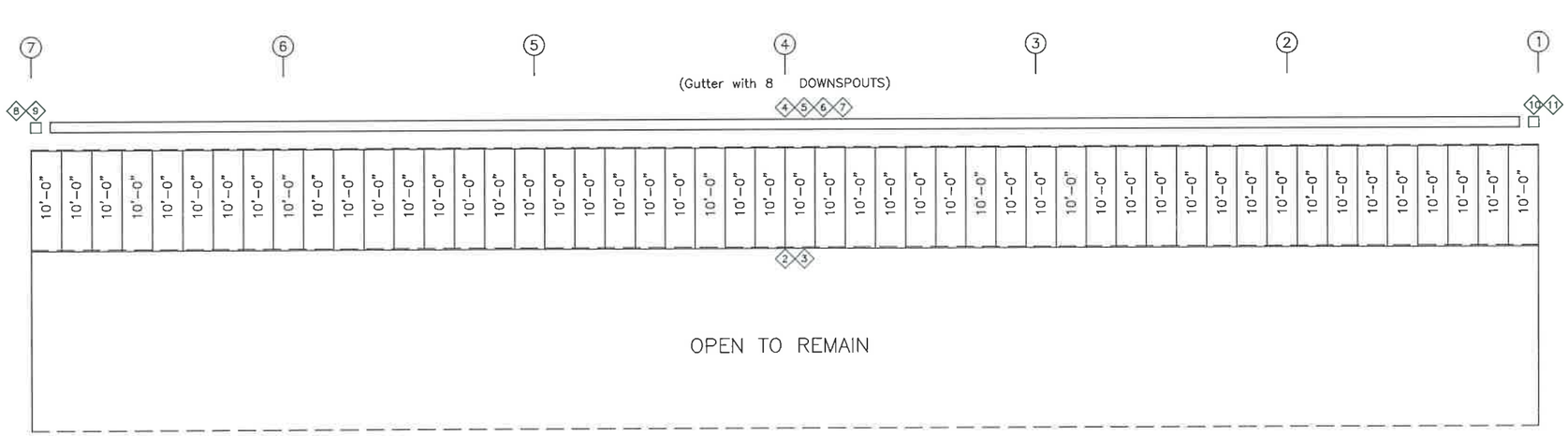
DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
PAGE 6.1	CTW	SPW	NONE

TRIM TABLE FRAME LINE A & E			
◇ID	PART	LENGTH	DETAIL
2	DBLBASTR	20'-3"	TRIM_22
3	DBLBASTR	10'-3"	TRIM_22
4	GUTTER	20'-3"	TRIM_1
5	GUTTER	10'-3"	TRIM_1
6	EAVE TRM	20'-3"	TRIM_120
7	EAVE TRM	10'-3"	TRIM_120
8	GUTEND L	1"	TRIM_2
9	CORBOX L	1'-0"	TRIM_2
10	GUTEND R	1"	TRIM_2
11	CORBOX R	1'-0"	TRIM_2



SIDEWALL SHEETING & TRIM: FRAME LINE A

PANELS: 26 GA. PBR – COLOR



SIDEWALL SHEETING & TRIM: FRAME LINE E

PANELS: 26 GA. PBR – COLOR

ISSUE	DET	CHK	DATE

BUILDINGS AND MORE

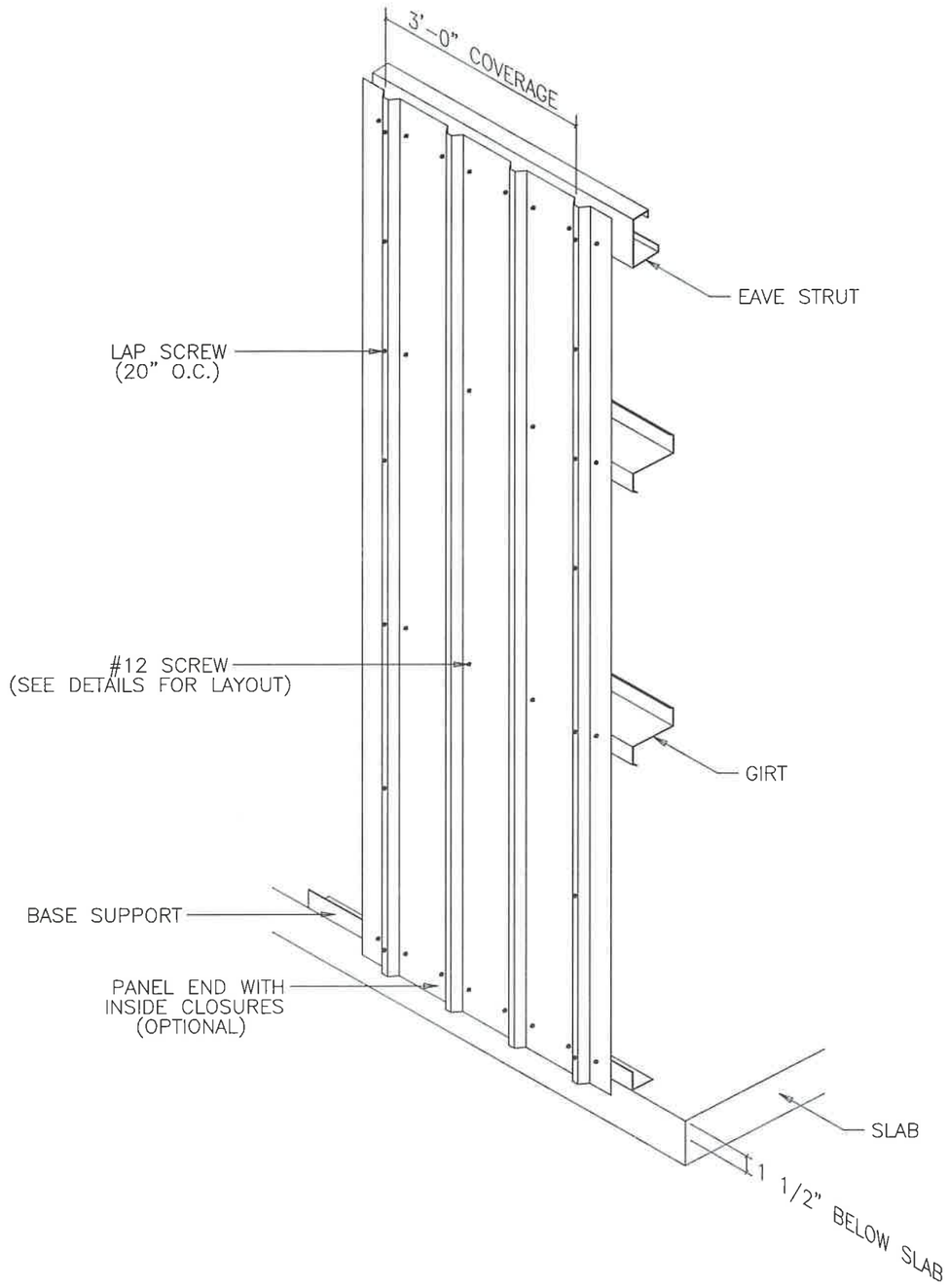
CUSTOMER: TOWN HOMES LLC.

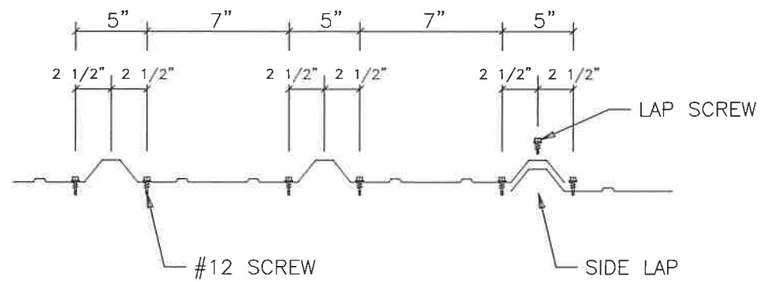
JOB NO: 8459 | DATE: 2/ 6/24

LOCATION: LAKE CITY, FL 32025

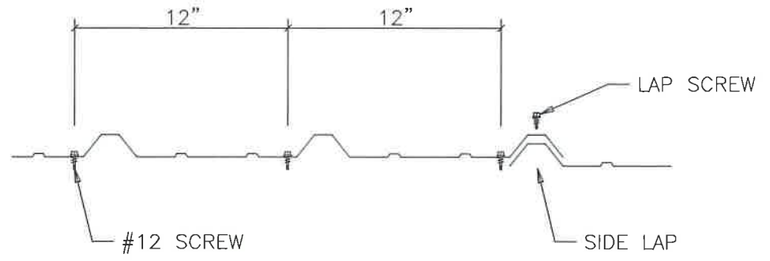
DRAWING NAME: SIDEWALL PANELS & TRIM

DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
PAGE 7	CTW	SPW	NONE

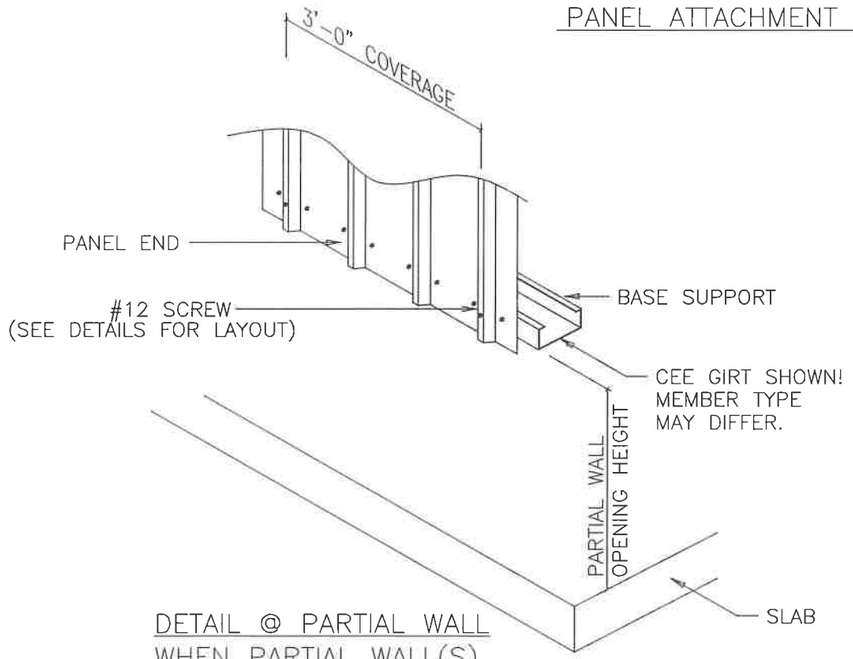




PANEL ATTACHMENT AT PANEL END
(BASE, EAVE STRUT, HEADER, SILL, AND PANEL END LAPS)



PANEL ATTACHMENT AT INTERMEDIATE MEMBERS



DETAIL @ PARTIAL WALL
WHEN PARTIAL WALL(S)
ARE PRESENT

NOTES:

[1] METAL SHAVINGS MUST BE SWEPT FROM THE WALL EACH DAY DURING ERECTION TO PREVENT SURFACE RUSTING.

[2] #12 SCREWS ARE USED TO ATTACH THE PANEL TO THE GIRTS. #14 LAP SCREWS ARE USED AT THE PANEL-TO-PANEL ATTACHMENTS. ALL FASTENERS ARE SELF-DRILLING.

ISSUE	DET	CHK	DATE

BUILDINGS AND MORE

CUSTOMER: TOWN HOMES LLC.

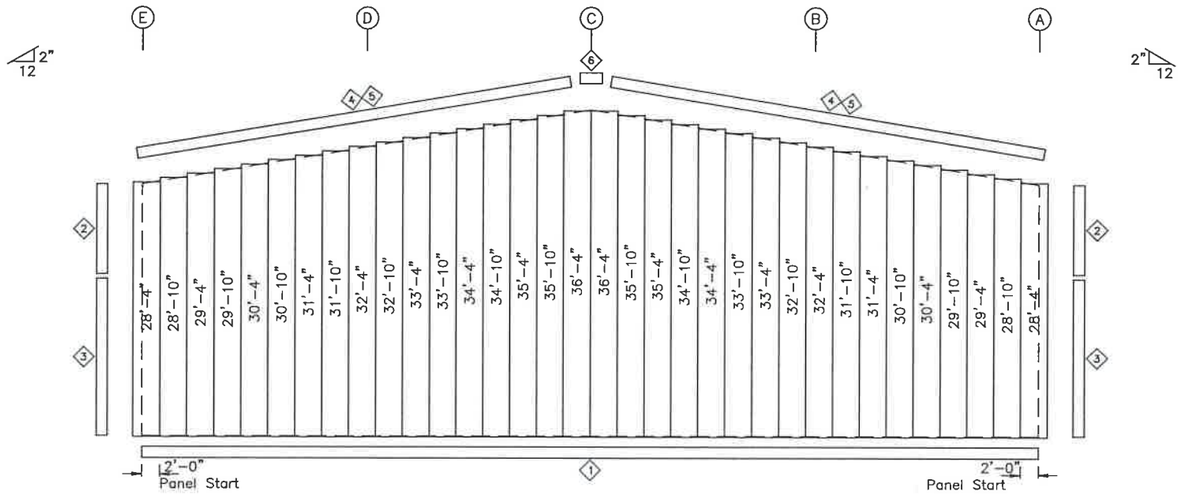
JOB NO: 8459 | DATE: 2/ 6/24

LOCATION: LAKE CITY, FL 32025

DRAWING NAME: SIDEWALL PANEL DETAILS

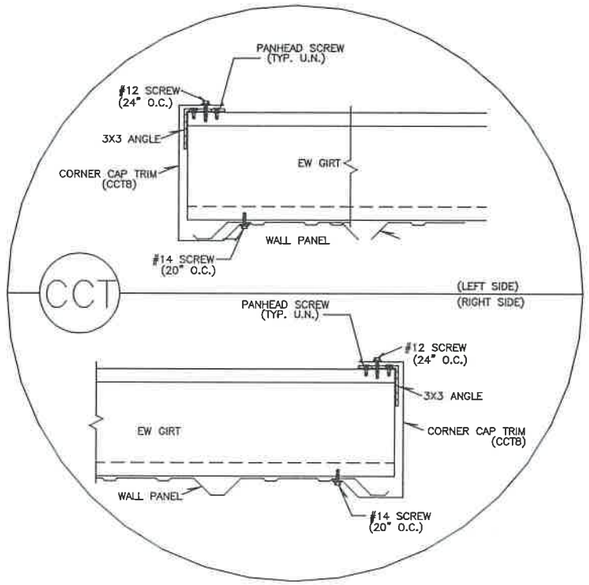
DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
PAGE 7.1	CTW	SPW	NONE

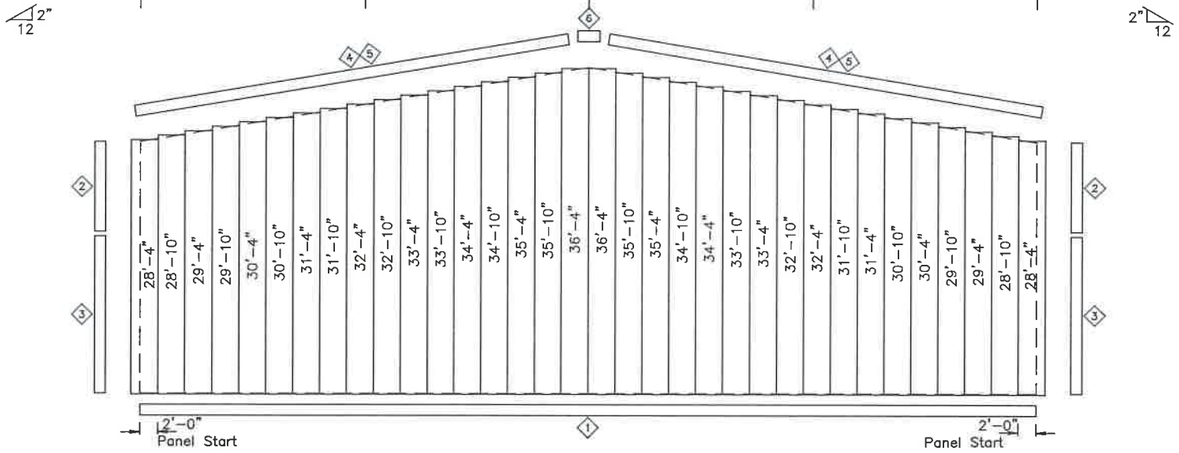
TRIM TABLE FRAME LINE 1 & 7			
◇ID	PART	LENGTH	DETAIL
1	DRIP BASE	20'-3"	TRIM_16
2	O/S CORN	10'-2"	TRIM_5
3	CCT8	18'-2"	CCT
4	RAKE TRM	20'-3"	TRIM_3
5	RAKE TRM	10'-9"	TRIM_3
6	PEAK BOX	1'-4"	TRIM_4



ENDWALL SHEETING & TRIM: FRAME LINE 1

PANELS: 26 GA. PBR – COLOR





ENDWALL SHEETING & TRIM: FRAME LINE 7

PANELS: 26 GA. PBR – COLOR

ISSUE	DET	CHK	DATE

BUILDINGS AND MORE

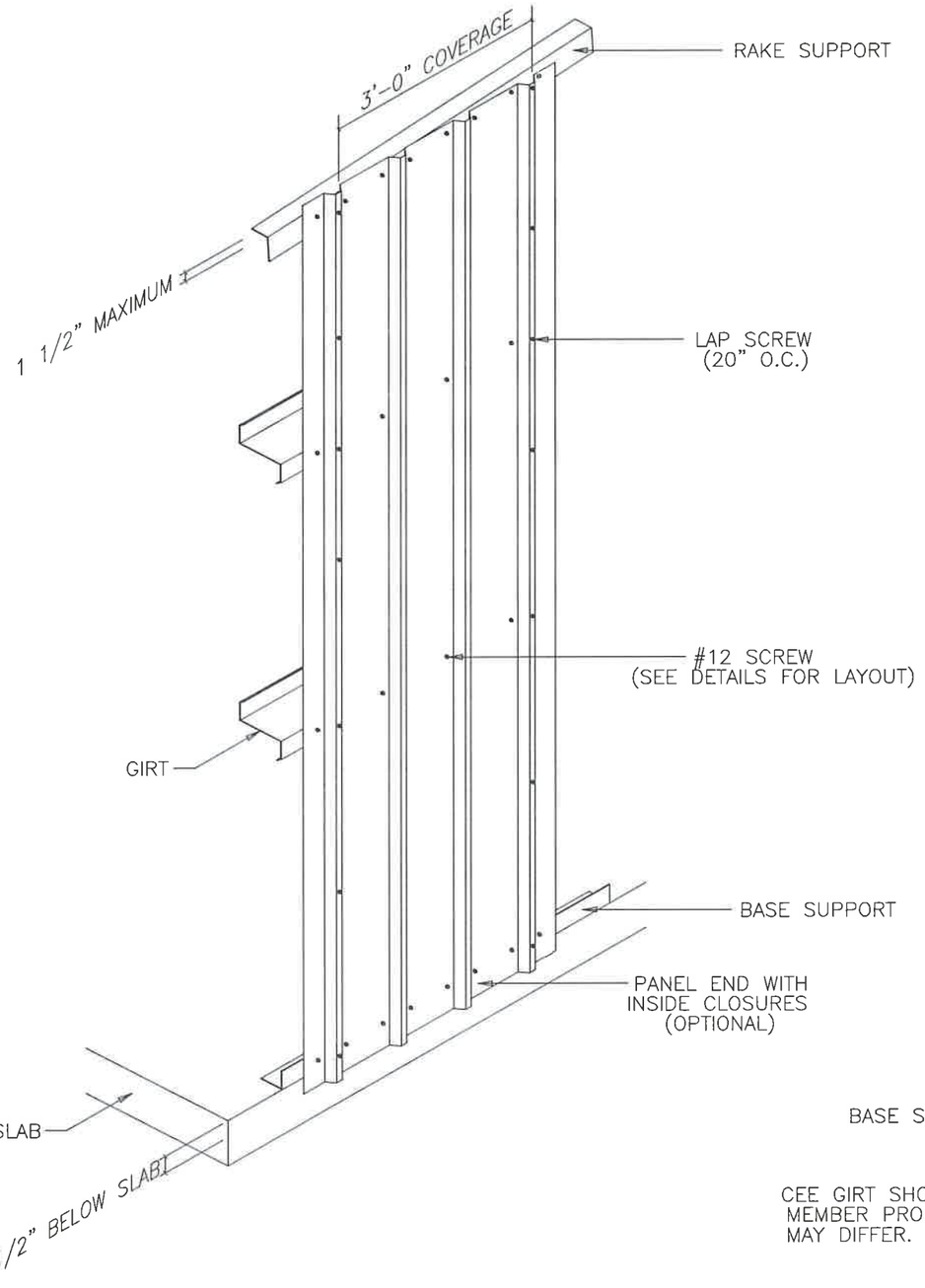
CUSTOMER: TOWN HOMES LLC.

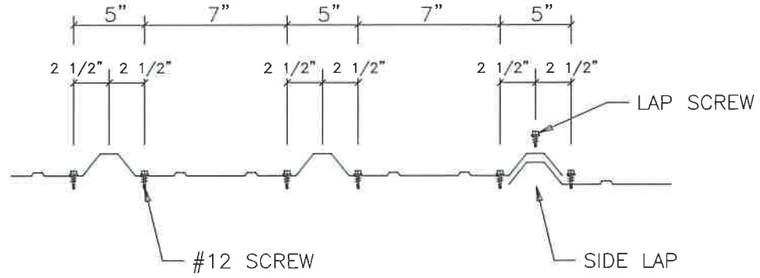
JOB NO: 8459 | DATE: 2/ 6/24

LOCATION: LAKE CITY, FL 32025

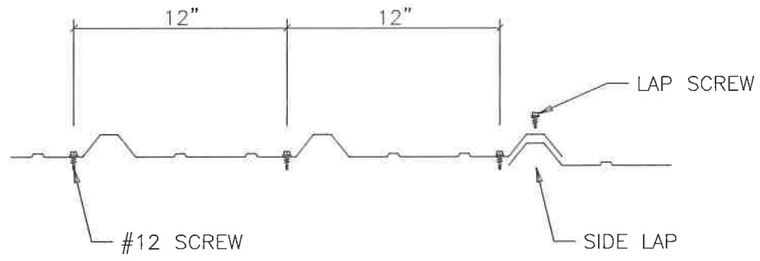
DRAWING NAME: ENDWALL PANELS & TRIM

DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
PAGE 8	CTW	SPW	NONE

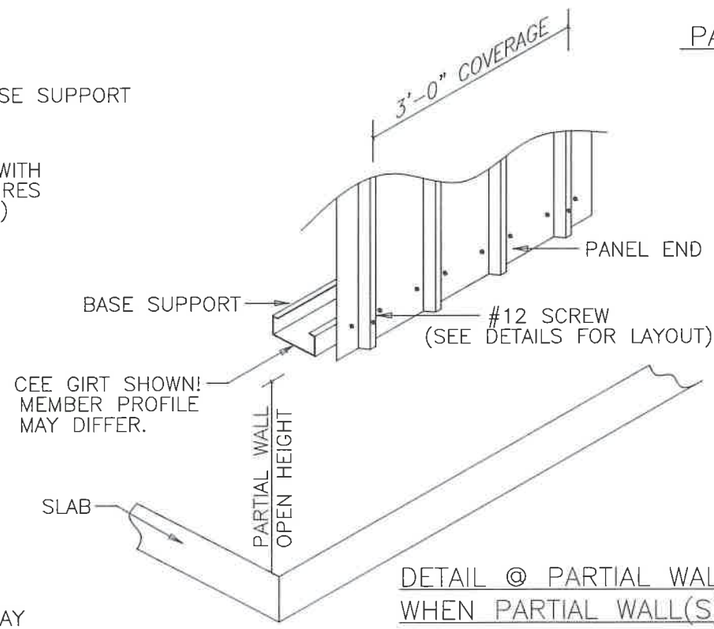




PANEL ATTACHMENT AT PANEL END
(BASE, EAVE STRUT, HEADER, SILL, AND PANEL END LAPS)



PANEL ATTACHMENT AT INTERMEDIATE MEMBERS



DETAIL @ PARTIAL WALL
WHEN PARTIAL WALL(S)
ARE PRESENT

NOTES:

[1] METAL SHAVINGS MUST BE SWEPT FROM THE WALL EACH DAY DURING ERECTION TO PREVENT SURFACE RUSTING.

[2] #12 SCREWS ARE USED TO ATTACH THE PANEL TO THE GIRTS. #14 LAP SCREWS ARE USED AT THE PANEL–TO–PANEL ATTACHMENTS. ALL FASTENERS ARE SELF–DRILLING.

ISSUE	DET	CHK	DATE

BUILDINGS AND MORE

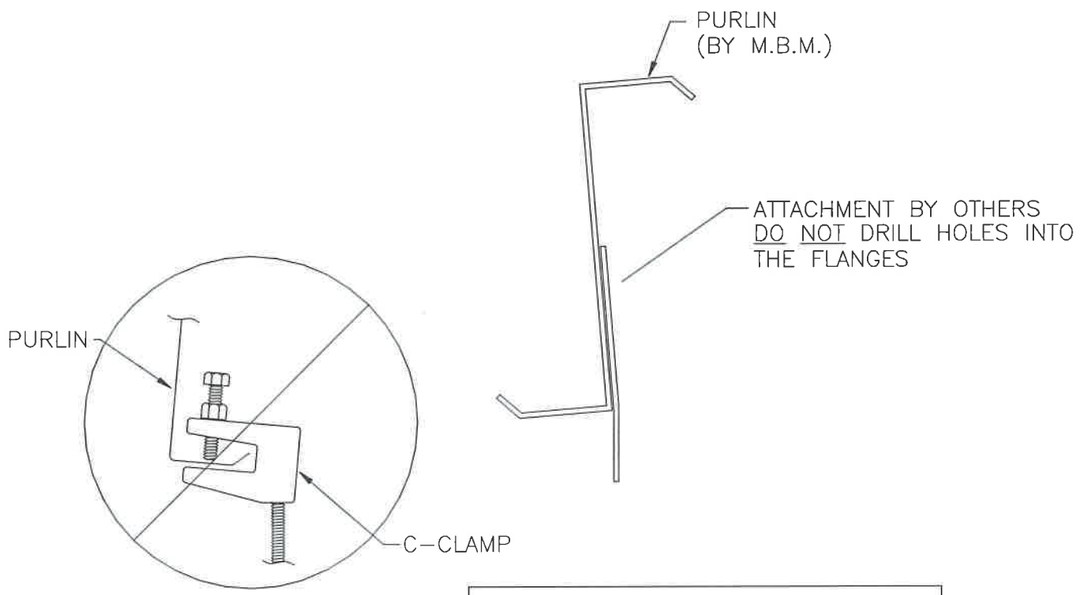
CUSTOMER: TOWN HOMES LLC.

JOB NO: 8459 | DATE: 2/ 6/24

LOCATION: LAKE CITY, FL 32025

DRAWING NAME: ENDWALL PANEL DETAILS

DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
PAGE 8.1	CTW	SPW	NONE



Flange C-Clamp is not an acceptable connection

NOTE: M.B.M. only provides the roof purlin. All other material and hardware is by others.

Recommended Connection Detail

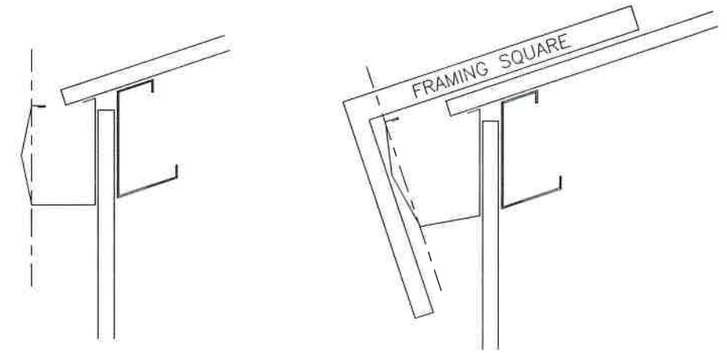
NOTE

MANY FACTORS BEYOND THE CONTROL OF THE METAL BUILDING SUPPLIER AFFECT THE ABILITY OF A PURLIN TO SAFELY SUPPORT HANGING LOADS COMBINED WITH OTHER REQUIRED ROOF LOADS. DUE TO THE VARIABLES INVOLVED IN HANGING LOADS AND THEIR ATTACHMENTS TO THE PURLINS, THE METAL BUILDING SUPPLIER CANNOT ASSURE THAT THE PURLINS FOR A PARTICULAR BUILDING PROJECT CAN SAFELY SUPPORT THE MAXIMUM ALLOWABLE HANGING LOADS IN COMBINATION WITH OTHER ROOF LOADS.

IT IS THE RESPONSIBILITY OF THE HANGER SYSTEM INSTALLER TO COORDINATE WITH THE ENGINEER OF RECORD FOR THE OVERALL PROJECT TO ENSURE A SAFE HANGING LOAD INSTALLATION. THE METAL BUILDING ENGINEER IS NOT THE ENGINEER OF RECORD FOR THE OVERALL PROJECT. WITHOUT SPECIFIC CERTIFICATION FOR INDIVIDUAL HANGING LOADS, THE NET EFFECTS OF APPLIED HANGER LOADS INSTALLED ON A PARTICULAR PURLIN SHALL NOT EXCEED THE NET EFFECTS OF THE CERTIFIED UNIFORMLY APPLIED DESIGN COLLATERAL LOAD.

HANGING LOADS SHOULD NOT BE APPLIED TO THE PURLIN LIP. WHERE PERMISSIBLE, THE BEST PRACTICE FOR HANGING LOADS IS TO ATTACH TO THE PURLIN WEB USING A BOLT AND NUT, OR SELF-DRILLING SCREWS.

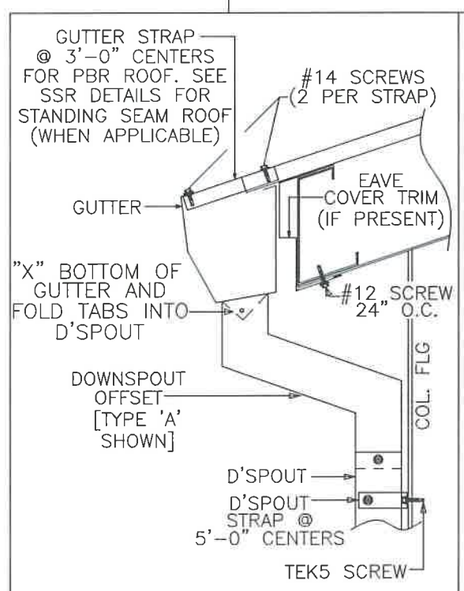
HANGING UNIFORM LOADS SUCH AS SPRINKLER MAINS OR HVAC EQUIPMENT SHOULD BE DISTRIBUTED OVER SEVERAL PURLINS, AND SHOULD NEVER EXCEED THE COLLATERAL LOAD ALLOWANCE FOR THE ROOF SYSTEM. FOR UNIFORM LOADS THAT RUN PARALLEL TO THE PURLINS, IT MAY BE NECESSARY TO USE TRANSVERSE SUPPORT CHANNELS(A.KA. TRAPEZE BEAMS) ATTACHED TO THE WEBS OR FLANGES OF ADJACENT PURLINS TO SPREAD THE LOAD BETWEEN TWO OR MORE PURLINS. IN SUCH CASES, CONTACT THE BUILDING MANUFACTURER OR A LOCAL PROFESSIONAL ENGINEER PRIOR TO ATTEMPTING TO HANG LOADS FROM THE PURLINS



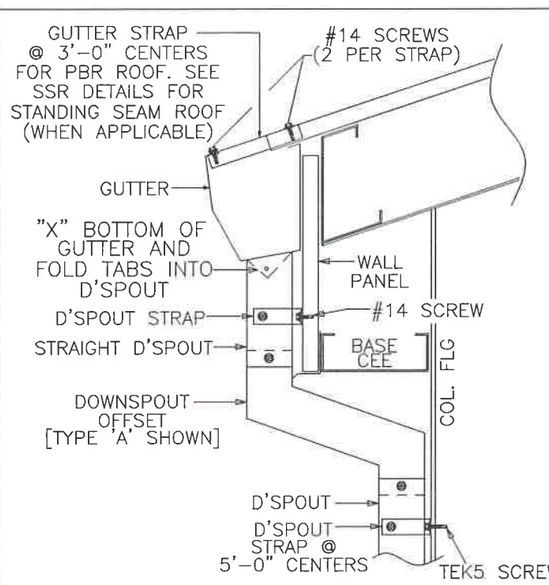
DO NOT INSTALL GUTTER WITH OUTSIDE FACE PERPENDICULAR TO THE GROUND.

INSTALL GUTTER WITH OUTSIDE FACE PERPENDICULAR TO THE ROOF.

GUTTER INSTALLATION DETAIL (ONLY IF PROVIDED)



@ OPEN WALLS W/O WALL PANELS



@ PARTIAL WALLS W/ WALL PANELS

NOTE: REGARDLESS OF DOWNSPOUT OFFSET SCENARIO, TEK5 SCREWS MUST BE USED TO ATTACH DOWNSPOUT STRAPS TO PEMB FRAMING. WHEN WALL PANELS SPAN FROM GROUND TO EAVE (FULL SPAN), #14 SCREWS WILL BE USED TO ATTACH DOWNSPOUT STRAPS TO WALL PANELS.

ISSUE	DET	CHK	DATE

BUILDINGS AND MORE

CUSTOMER: TOWN HOMES LLC.

JOB NO: 8459 | DATE: 2/ 6/24

LOCATION: LAKE CITY, FL 32025

DRAWING NAME: SPECIAL DETAILS

DRAWING NO:	DRAWN BY:	CHECKED BY:	SCALE:
PAGE 9	CTW	SPW	NONE